October 19, 2012

Phil Cole
New Jersey Department of Environmental Protection
Bureau of Case Management
401 East State Street
PO Box 028
Trenton, New Jersey 08625

RE: Remedial Investigation Report
AOC 1 - North Landfarm,
NJDEP PI #006148, NJPDES Permit # NJ0028878
Hess Corporation – Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

Dear Mr. Cole:

This Remedial Investigation Report for AOC 1 – North Landfarm is being submitted by EnviroTrac Ltd. on behalf of Hess Corporation – Port Reading Refinery located at 750 Cliff Road in Port Reading, New Jersey.

Should you have any questions or comments regarding the data submitted in these reports, please do not hesitate to contact me at (609) 387-5553. Should you have any questions or comments relating to the project, please contact John Engdahl of Hess Corporation at (732) 750-6934 or Howard S. Goldman of Hess Corporation at (732) 750-7735.

Sincerely,
EnviroTrac, Ltd.

David J. Carlson, PG, LSRP
Senior Project Manager
NJDEP UST Certification # 266010

Attachments: EDD Disk

Cc: Phil Cole, NJDEP – BCM (3 copies)
Dale Carpenter – USEPA Region II (w/oenclosure)
Andrew Park – USEPA Region II (electronic)
Howard Goldman, Hess Corporation (w/enclosure)
John Engdahl, Hess Corporation (enfos)
EnviroTrac Project Fil

CERTIFICATION:

The following certification is made, as stipulated by 40 CFR 270.11(d) and referenced in the HSWA permit for this facility:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Howard Goldman
Environmental Manager

New Jersey Department of Environmental Protection
Site Remediation Program

REMEDIAL INVESTIGATION REPORT FORM

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hess Corporation - Port Reading Refinery- AOC-1 North Landfarm

List all AKAs:

Street Address: 750 Cliff Road

Municipality: Woodbridge (Township, Borough or City)

County: Middlesex Zip Code: 07077

Program Interest (PI) Number(s): 006148 Case Tracking Number(s):

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2:

State Plane Coordinates for a central location at the site: Easting: 561544 Northing: 630878

Municipal Block(s) and Lot(s):

Block #	1095	Lot #	6	Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	
Block #		Lot #		Block #		Lot #	

SECTION B. SUBMITTAL STATUS

	Not Applicable	Included in this Submission	Previously Submitted	Date Of Submission	Date of Revised Submission	Date of Document Withdrawal
Public Notification	☒	☐	☐	09/01/2012		
Immediate Environmental Concern Report	☒	☐	☐			
IEC Engineered System Response Action Report	☒	☐	☐			
Vapor Concern Mitigation Report	☒	☐	☐			
LNAPL Interim Remedial Measure Report	☒	☐	☐			
Preliminary Assessment Report	☒	☐	☐			
Receptor Evaluation	☐	☒	☐			
Site Investigation Report	☒	☐	☐			
Remedial Investigation/Remedial Action Work Plan	☒	☐	☐			
Remedial Action Report	☒	☐	☐			
Response Action Outcome	☒	☐	☐			
Alternative Soil Remediation Standard and/or Screening level Application Form	☒	☐	☐			
Case Inventory Document	☐	☒	☐			
Permit Application – list:	☒	☐	☐			
	☐	☐	☐			
	☐	☐	☐			
	☐	☐	☐			
Radionuclide Remedial Investigation Workplan	☒	☐	☐			
Radionuclide Remedial Investigation Report	☒	☐	☐			
Radionuclide Remedial Action Workplan	☒	☐	☐			
Radionuclide Remedial Action Report	☒	☐	☐			

SECTION C. SITE USE

Current Site Use (check all that apply)

- ☒ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Other _____
- ☐ Agricultural
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government

Intended Future Site Use (check all that apply)

- ☒ Industrial
- ☐ Residential
- ☐ Commercial
- ☐ School or child care
- ☐ Park or recreational use
- ☐ Vacant
- ☐ Government
- ☐ Future site use unknown

SECTION D. PUBLIC FUNDS

Did the remediation utilize public funds? ..... ☐ Yes ☒ No

If "Yes," check applicable: ☐ UST Grant ☐ UST Loan ☐ Brownfield Reimbursement Program ☐ HDSRF Grant ☐ HDSRF Loan ☐ Landfill Reimbursement Program ☐ Spill Fund ☐ Schools Development Authority

SECTION E. SCOPE OF THE REMEDIAL INVESTIGATION REPORT

1. Does the Remedial Investigation address:
   - ☒ Area(s) of Concern (AOCs) Only
   - ☐ Entire Site (based on a completed and submitted Preliminary Assessment/Site Investigation)
2. Total number of contaminated AOCs associated with the case: 21
3. Total number of contaminated AOCs addressed in this submittal: 1
4. Is the Remedial Investigation complete for the contaminated AOCs addressed in this submittal? ..... ☒ Yes ☐ No
5. Is the Remedial Investigation complete for all AOCs associated with this case? ..... ☐ Yes ☒ No

   If "Yes," provide date: _____

SECTION F. SITE CONDITIONS

1. Check each media-type and highest concentration of contamination present above any applicable standards/criteria at the time of remedial investigation:

Soil in ppm						GW = Ground Water in ppb						SW = Surface Water in ppb						Sed = Sediment in ppm					
	Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm			Soil ppm	GW ppb	SW ppb	Sed ppm	
*VOCs	☒	☐	☐	☒	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
*SVOCs	☐	☐	☐	☐	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
*PAHs	☐	☐	☐	☐	<10		☐	☐	☐	☐	10–100		☐	☐	☐	☐	>100
*Metals	☐	☐	☐	☐	<100		☐	☐	☐	☒	100–1,000		☐	☒	☐	☐	>1,000
PCBs	☐	☐	☐	☐	<10		☐	☐	☐	☐	10–100		☐	☐	☐	☐	>100
*Pesticides	☐	☐	☐	☐	<1		☐	☐	☐	☐	1-10		☐	☐	☐	☐	>10
Dioxin (ppb)	☐	☐	☐	☐	<1 ppb		☐	☐	☐	☐	1-10 ppb		☐	☐	☐	☐	>10 ppb
Chromium	☐	☐	☐	☐	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
Mercury	☐	☐	☐	☐	<100		☐	☐	☐	☐	100–1,000		☐	☐	☐	☐	>1,000
Arsenic	☐	☐	☐	☐	<10		☐	☒	☐	☐	10–100		☐	☐	☐	☐	>100
EPH	☐			☐	<1,700		☐			☐	1,700–5,100		☐			☐	>5,100

2. For any contaminant group (*) checked above, identify the compound/element with the highest concentration over its applicable remediation standard:

   ethylbenzene 51.7 mg/kg | Lead at 774 mg/kg | Sodium - 335,000 ug/l | _____ | _____

3. Were the laboratory reporting minimum detection limits below applicable remediation standards/ criteria required for the site? ..... ☒ Yes ☐ No

4. Are any of the following conditions currently present? (check all that apply)

Ground water:

- ☒ Contaminated ground water in the overburden aquifer
- ☐ Contaminated ground water in a confined aquifer
- ☐ Contaminated ground water in the bedrock aquifer
- ☐ Contaminated ground water in multiple aquifer units
- ☐ Multiple distinct ground water plumes
- ☒ Contaminated ground water migrating off-site
- ☒ Background ground water contamination
- ☐ Contaminated ground water discharging to surface water
- ☐ Residual or free product
- ☐ Radionuclides

Soil:

- ☐ On-site discharge(s) impacting soil off-site
- ☐ Chromate Production Waste
- ☐ Munitions and explosives of concern
- ☐ Contaminated soil in the saturated zone
- ☐ Historic pesticide impacts to soil
- ☐ Residual or free product
- ☐ Radionuclides
- ☐ Historic Fill
- ☐ Soil contamination due to naturally occurring background conditions

SECTION G. APPLICABLE REMEDIATION STANDARDS

1 Were Default Remediation Standards used for all compounds? ..... ☒ Yes ☐ No
(If "Yes," check all that apply)

- ☒ Direct Contact
- ☒ Impact to Ground Water Soil Screening Levels
- ☒ Ecological Screening Levels

2. Has compliance averaging been utilized to determine compliance with the Inhalation Pathway?..... ☐ Yes ☒ No

3. Has a compliance option been utilized to determine compliance with the Impact to Ground Water Pathway? (If "Yes," check all that apply) ..... ☐ Yes ☒ No

- ☐ Immobile Compounds
- ☐ Data evaluation for metals and semi-volatiles
- ☐ Data evaluation for volatile organics derived from discharges of petroleum mixtures

4. Were Alternate Remediation Standards used for the Ingestion/Dermal Pathway? ..... ☐ Yes ☒ No

5. Were Alternate Remediation Standards used for the Inhalation Pathway?..... ☐ Yes ☒ No

6. Were Site Specific Standards used for the Impact to Ground Water Pathway? ..... ☐ Yes ☒ No
(If "Yes," check all that apply)

- ☐ Soil-Water Partitioning Equation ☐ SPLP ☐ Sesoil ☐ Sesoil/AT123D
- ☐ DAF Modification ☐ Immobile Chemicals List
- ☐ Soil and Ground Water Analytical Data Evaluation

7. Were site specific Ecological Remediation Goals used? ..... ☐ Yes ☒ No

8. What is the ground water classification for this site as per N.J.A.C. 7:9C? (check all that apply)

- ☐ Class I-A
- ☐ Class I-PL Pinelands Protection Area
- ☐ Class I-PL Pinelands Preservation Area
- ☒ Class II-A
- ☐ Class III-A
- ☐ Class III-B

SECTION H. BACKGROUND CONDITIONS

Did the RI demonstrate via a background investigation, outside the influence of on-site AOCs **and** operational areas, that:

1. all or any part of the ground water contamination is migrating onto this site per N.J.A.C. 7:26E-3.7(g)?..... ☐ Yes ☒ No ☐ NA

2. soil contamination is naturally occurring per N.J.A.C. 7:26E-3.10..... ☐ Yes ☒ No ☐ NA

SECTION I. ALTERNATIVE STANDARD / VARIANCES

Alternative remediation standard
If proposing an alternative remediation standard pursuant to N.J.A.C. 7:26D-7.4, or alternate vapor intrusion screening level, check here ☐ and attach the Alternative Soil Remediation Standard and/or Screening Level Application Form as an addendum.

A site-specific screening level was developed for the evaluation of the VI pathway ..... ☐ Yes ☒ No

Variance from regulations
If the Licensed Site Remediation Professional has varied from the Technical Rules, provide the citation(s) from which the remediation varied and the page(s) in the attached document where the rationale for the variance is provided.

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

N.J.A.C. 7:26E- _____ Page _____

SECTION J. HISTORIC FILL

1. The presence of historic fill is supported by (check all that apply):
   ☐ Boring logs ☐ Test Pits ☐ Trenches ☐ Aerial Photos ☐ NJDEP Mapped Areas
   ☐ No historic fill identified at the site. If none, skip to K. below.
2. How was the historic fill characterized pursuant to N.J.A.C. 7:26E-4.6? (check all that apply)
   ☐ Samples were collected outside areas potentially impacted by on-site operations (i.e., AOC(s))
   ☐ Contaminant levels in Table 4.2 at N.J.A.C. 7:26E-4.6
3. Are any other AOCs (i.e., location of discharge and any contaminants that may have migrated from that area) located within the defined boundaries of the historic fill? ..... ☐ Yes ☐ No
   If "No," skip to K. below
4. Have the same contaminant type(s) (e.g., lead, arsenic, and/or benzo(a)pyrene, etc.) characterized as being present in the historic fill been **sampled for** as a contaminant of concern at these co-located AOCs? ..... ☐ Yes ☐ No

SECTION K. GROUND WATER TRIGGER

1. Was a ground water investigation conducted at all AOCs where a ground water investigation was triggered pursuant to N.J.A.C. 7:26E-3.7 and 4.4(a)? ..... ☒ Yes ☐ No ☐ NA
2. Is contamination in soils fully delineated?..... ☒ Yes ☐ No

SECTION L. GROUND WATER REMEDIAL INVESTIGATION INFORMATION

1. Are contaminants present with a specific gravity less than that of water? ..... ☒ Yes ☐ No
   a. If "Yes," were any monitor wells installed in unconfined aquifers in which the water table is higher than the top of the well screen? ..... ☒ Yes ☐ No

   If "Yes" to 1a, identify the affected wells. LN-2, LN-3
2. Are contaminants present with a specific gravity greater than that of water? ..... ☐ Yes ☒ No
   a. If "Yes," were multiple depth discrete ground water samples collected in a vertical profile at each ground water sampling location where dense contaminants were suspected?..... ☐ Yes ☐ No
3. Is ground water in the bedrock aquifer contaminated?..... ☐ Yes ☒ No
   If "Yes," answer questions 3a and 3b.
   a. Were bedrock cores collected? ..... ☐ Yes ☐ No
   b. Were geophysical logging methods conducted to characterize the bedrock aquifer pursuant to N.J.A.C. 7:26E-4.4(g)5? ..... ☐ Yes ☐ No
4. Is contamination in ground water fully delineated?..... ☐ Yes ☒ No

SECTION M. ECOLOGICAL RECEPTORS

1. Have soil, sediment, and/or surface water data been collected from Environmentally Sensitive Natural Resources (ESNR)? ☐ Yes ☒ No ☐ NA
   a. If "Yes," do contaminant concentrations at the ESNR exceed ecological screening criteria or the aquatic chronic NJSWQS [N.J.A.C.7:9B]? ☐ Yes ☐ No
   b. If "Yes," have soil and sediment data been collected from both surface and subsurface intervals in the ESNR? ☐ Yes ☐ No
   c. If No for 1b, provide explanation Dissolved levels in pathway do not exceed Aquatic Screening levels
2. Have contaminant migration pathways from the site/AOC to the ESNR been identified? ☒ Yes ☐ No
3. Do the results of the Ecological Evaluation require a remedial investigation of ecological receptors? ☐ Yes ☒ No

   If No, provide explanation Dissolved levels in pathway do not exceed Aquatic Screening levels
4. Has an Ecological Risk Assessment been conducted [N.J.A.C.7:26E-4.7]? ☐ Yes ☒ No
5. Is remediation required in an ESNR? ☐ Yes ☒ No

SECTION N. LABORATORY DATA

1. Were all data submitted in the appropriate full and/or reduced formats according to the deliverables defined in N.J.A.C. 7:26E-2? ☒ Yes ☐ No
2. Do all data submitted meet the quality assurance/quality control (QA/QC) requirements incorporated by reference in N.J.A.C. 7:26E-2 for:
   sampling ☒ Yes ☐ No
   analysis ☒ Yes ☐ No
3. How was it determined that the data complied with the QA/QC requirements?
   ☒ Laboratory non-conformance summary/narrative
   ☒ Laboratory correspondence
   ☐ LSRP review
   ☐ Independent contractor review
   ☐ Other: _____
4. Has any data been qualified and used? ☒ Yes ☐ No
5. Has any data been rejected and used? ☐ Yes ☒ No
6. Comments:

   Only qualified data used is that qualified as an estimated value less than the applicable remediation standard.

SECTION O. MISCELLANEOUS

1. Were any regulated USTs identified during the course of the RI that were not previously known? ☐ Yes ☒ No

   If "Yes," list tank size, contents and registration number(s). _____

1a. If "Yes," to item N.1. above and if these USTs were Federally Regulated, was the source/cause of release identified on a Confirmed Discharge Notification form? ☐ Yes ☐ No

   If "No," complete and submit a revised Confirmed Discharge Notification form.

2. Were additional Areas of Concern identified during the RI? ☐ Yes ☒ No

   If "Yes," identify AOC: _____

3. Identify Remedial Measures (RMs) conducted during the RI (check all that apply):

- ☐ Soil excavation
- ☐ Potable water supply treatment or replacement
- ☐ Hydraulic containment of source area
- ☐ Soil vapor extraction
- ☐ Enhanced fluid recovery (EFR)
- ☐ Other(s), specify: _____
- ☐ UST closure
- ☐ Free product recovery
- ☐ Vapor intrusion mitigation
- ☒ No RMs were conducted during the RI

4. Did the remedial investigation include sampling to characterize any on-site contaminated media for either on-site or off-site reuse? ..... ☐ Yes ☒ No

5. Has clean fill has been brought onto the site? ..... ☐ Yes ☒ No

   If yes, has it been analyzed? ..... ☐ Yes ☐ No

6. Has new information (material facts, data or other information) been generated during the RI that corrects or contradicts information, or changes conclusions from, previously submitted reports or information? ..... ☐ Yes ☒ No

   If "Yes," explain: _____

7. Have past deficiencies/notice of deficiencies been addressed in this submittal? ..... ☒ Yes ☐ No

SECTION P. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hess Corporation

Representative First Name: John Representative Last Name: Engdahl

Title: Senior Specialist

Phone Number: (732) 750-6934 Ext: _____ Fax: (732) 750-6105

Mailing Address: One Hess Plaza

City/Town: Woodbridge State: NJ Zip Code: 07095

Email Address: JEngdahl@Hess.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: _____ Date: 10/22/2012

Name/Title: John J. Engdahl/ Senior Specialist **No Changes Since Last Submittal** ☐

SECTION Q. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511447

First Name: David Last Name: Carlson

Phone Number: (609) 387-5553 Ext: Fax: (609) 387-5533

Mailing Address: 3 Terri Lane, Suite #8

City/Town: Burlington State: NJ Zip Code: 08016

Email Address: davec@envirotrac.com

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☐ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 10/19/12

LSRP Name/Title: David J. Carlson/ Senior Project Manager **No Changes Since Last Submittal** ☐

Company Name: EnviroTrac Ltd.

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

New Jersey Department of Environmental Protection
Site Remediation Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hess Corporation - Port Reading Refinery- AOC-1 North Landfarm

List all AKAs:

Street Address: 750 Cliff Rd

Municipality: Woodbridge (Township, Borough or City)

County: Middlesex Zip Code: 07077

Program Interest (PI) Number(s): 006148 Case Tracking Number(s):

Indicate the type of submission:

☐ Initial RE Submission

☒ Updated RE Submission

Indicate the reason for submission of an updated RE form

☐ Submission of an Immediate Environmental Concern (IEC) source control report;
☒ Submission of a Remedial Investigation Report;
☐ Submission of a Remedial Action Report;

Check if included in updated RE

☐ The known concentration or extent of contamination in any medium has increased;
☐ A new AOC has been identified;
☐ A new receptor is identified;
☐ A new exposure pathway has been identified.

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site boundary (check all that apply):

	On-site	Off-site
None of the following	☒	☒
Residences or residential property	☐	☐
Public or Private Schools grades K-12	☐	☐
Child care centers	☐	☐
Public parks, playgrounds or other recreation areas	☐	☐
Other sensitive population use(s) Explain _____	☐	☐

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site.

2. Current site uses (check all that apply):

☒ Industrial ☐ Residential ☐ Commercial ☐ Agricultural
☐ School or child care ☐ Government ☐ Park or recreational use
☐ Vacant ☐ Other: _____

3. Planned future site uses and off-site use within 200 ft of site boundary (check all that apply):

☒ Industrial ☒ Residential ☐ Commercial ☐ Agricultural
☐ School or child care ☐ Government ☐ Park or recreational use
☐ Vacant ☐ Other: _____

Provide a map depicting the location of the proposed changes in land use.

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site (check all that apply):
   - ☐ Free product [N.J.A.C. 7:26E-1.8] identified is ☐ LNAPL* or ☐ DNAPL**. Date identified: _____
   - ☐ Residual product [N.J.A.C. 7:26E-1.8]
   - ☐ Other high concentration source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos)

     Explain: _____

   * LNAPL – measured thickness of .01 feet or more

   **DNAPL – See US EPA DNAPL Overview

2. Soil Migration Pathway

   Has soil contamination been delineated to the applicable Direct Contact Soil Remediation Standard? ..... ☒ Yes ☐ No

   Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? ..... ☐ Yes ☒ No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.

SECTION D. GROUND WATER USE

1. Has the requirement for ground water sampling been triggered? ..... ☒ Yes ☐ No ☐ Unknown

   If "No," proceed to Section F. If "Unknown," explain:

   AOC 1 is monitored as part of a RCRA/NJPDES groundwater monitoring program

2. Is Ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]? ..... ☒ Yes ☐ No ☐ Unknown

   Or ☐ Awaiting laboratory data with the expected due date: _____

   If "Yes," provide the date that the laboratory data was available and confirmed contamination above the Ground Water Remediation Standards. Date: _____

   If "Unknown," explain: _____

   If "No," or awaiting laboratory data proceed to Section F.

3. Has ground water contamination been delineated to the applicable Remediation Standard? ..... ☐ Yes ☒ No

4. Has a well search been completed? ..... ☒ Yes ☐ No

   Date of most recent or updated well search: 02/11/2011

   Identify if any of the following conditions exist based on the well search [N.J.A.C.7:26E-1.14(a)] (check all that apply):
   - ☐ Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
   - ☐ Potable well located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
   - ☐ Ground water contamination is located within a Tier 1 wellhead protection area (WHPA).

5. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.state.nj.us. ..... ☒ Yes ☐ No

   If "No," explain: _____

6. Are any private potable or irrigation wells located within ½ mile of the currently known extent of contamination? ..... ☐ Yes ☒ No

   If "Yes," was a door to door survey completed? ..... ☐ Yes ☐ No

   If survey was not completed explain: _____

7. Has sampling been conducted of ☐ potable well(s) and /or ☐ non-potable use well(s)? ..... ☐ Yes ☒ No

   If "No," provide justification then proceed to Section E.

   There are none

8 Has contamination been identified in potable well(s) above Ground Water Remediation Standards that is not suspected to be from the site? (If "Yes," provide justification) ..... ☐ Yes ☒ No

_____

9 Has contamination been identified in potable well(s) that is above the Ground Water Remediation Standards or Federal Drinking Water Standards? ..... ☐ Yes ☒ No

Provide date laboratory data was received: _____

Or ☐ awaiting laboratory data with the expected due date: _____

If "Yes" for potable well contamination **not attributable to background**, follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/index.html#iec for required actions and answer the following:

Has an engineered system response action been completed on all receptors? ..... ☐ Yes ☐ No
Provide a brief narrative description:

Date completed: _____ NJDEP Case Manager: _____

10. Were Non-potable use well(s) sampled and results were above Class II Ground Water Remediation Standards? ..... ☐ Yes ☒ No

Provide date laboratory data was received: _____
Or ☐ awaiting laboratory data with the expected due date: _____

11. Has the ground water use evaluation been completed? ..... ☐ Yes ☐ No

SECTION E. VAPOR INTRUSION (VI)

1. Contaminants present in ground water exceed the Vapor Intrusion Ground Water Screening Levels that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance). ... ☐ Yes ☒ No ☐ Unknown

Or ☐ Awaiting laboratory data and the expected due date: _____

Provide the date that the laboratory data was available and confirmed contamination above the Vapor Intrusion Trigger Levels. Date: _____

2. Other existing conditions that trigger a VI evaluation. (see NJDEP Vapor Intrusion Technical Guidance)

☐ Wet basement or sump containing free product or ground water containing volatile organics
☐ Methane generating conditions causing oxygen deficient or explosion concern
☐ Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated contamination, elevated soil gas or indoor vapor (explain):

If you answered "No," or awaiting laboratory data to Question 1., *and* did not check any boxes in Question 2, proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

3. Has ground water contamination been delineated to the applicable Ground Water Vapor Screening Level? ..... ☐ Yes ☐ No

4. Was a site specific screening level, modeling or other alternative approach employed for the VI pathway? ..... ☐ Yes ☐ No

5. Identify and locate on a scaled map any buildings/sensitive populations that exist within the following distances from ground water contamination with concentrations above the Vapor Intrusion Ground Water Screening Levels or specific threats (check all that apply):

☐ 30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water
☐ 100 feet of any non-petroleum free product or any non-petroleum dissolved volatile organic ground water contamination
☐ No buildings exist within the specified distances

6. The vapor intrusion pathway is a concern at or adjacent to the site (if "No," attach justification) ..... ☐ Yes ☐ No

7. Has soil gas sampling of the building(s) been conducted? ☐ Yes ☐ No ☐ N/A
If "No," or "N/A," proceed to #10

8. Has indoor air sampling been conducted at the identified building(s)? ☐ Yes ☐ No
If "No," proceed to #10

9 Has indoor air contamination been identified but not suspected to be from the site?
(if "Yes," attach justification) ☐ Yes ☐ No

10. Indoor air results were above the NJDEP's Rapid Action Levels. ☐ Yes ☐ No

Provide the date that the laboratory data was available and confirmed contamination above the Rapid Action Levels. Date: _____

Or ☐ Awaiting laboratory data with the expected due date: _____

If "Yes" to #8 above, follow the IEC Guidance Document at http://www.nj.gov/dep/srp/guidance/index.html#iec **for required actions.**

The IEC engineering system response for control was implemented for all identified structures ☐ Yes ☐ No

Date: _____ NJDEP Case Manager: _____

11. Indoor air sampling was conducted and results were above the NJDEP's Indoor Air Screening Levels but at or below the Rapid Action Levels ☐ Yes ☐ No

Provide the date that the laboratory data was available. Date: _____

Or ☐ Awaiting laboratory data with the expected due date: _____

If "Yes" to #10 above, answer the following:

Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances been submitted? ☐ Yes ☐ No
Date: _____

Has a plan to mitigate and monitor the exposure been submitted? ☐ Yes ☐ No
Date: _____

Has the Mitigation Response Action Report been submitted? ☐ Yes ☐ No
Date: _____

12. Has the vapor intrusion investigation been completed? ☐ Yes ☐ No
If "No", is the vapor intrusion investigation stepping out as part of the site investigation or remedial investigation. (If "No," attach justification) ☐ Yes ☐ No

SECTION F. ECOLOGICAL RECEPTORS

1. Has an Ecological Evaluation (EE) has been conducted? [N.J.A.C. 7:26E-1.16] ☒ Yes ☐ No

Date conducted: 10/19/2011

2. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8]. ☐ Yes ☒ No

3. Has a remedial investigation of ecological receptors been conducted? ☐ Yes ☒ No

Date conducted: _____

4. Provide the name(s) of any surface water body on or within 200 feet of the site:
North Drainage Ditch (tributary to Arthur Kill)

5. Is free product or residual product located within 100 feet from an ecological receptor? ☐ Yes ☒ No

6. Available data indicate an impact on: ☐ Ecological receptor(s) ☐ Surface water ☐ Sediment

If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section G. Otherwise attach a description of the type of contamination and provide a schedule and a description of all actions to be taken to mitigate exposure

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: Hess Corporation

Representative First Name: John Representative Last Name: Engdahl

Title: Senior Specialist

Phone Number: (732) 750-6934 Ext: Fax: (732) 750-6105

Mailing Address: One Hess Plaza

City/Town: Woodbridge State: NJ Zip Code: 07095

Email Address: JEngdahl@Hess.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Date: 10/22/2012

Name/Title: John J. Engdahl/ Senior Specialist **No Changes Since Last Submittal** ☐

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: 511447

First Name: Dave Last Name: Carlson

Phone Number: (609) 387-5553 Ext: Fax: (609) 387-5533

Mailing Address: 3 Terri Ln, Suite #8

City/Town: Burlington State: NJ Zip Code: 08016

Email Address: davec@envirotrac.com

I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:

[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:

☐ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

I believe that the information contained herein, and including all attached documents, is true, accurate and complete.

It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.

My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.

I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.

LSRP Signature: Date: 10/19/12

LSRP Name/Title: David J. Carlson **No Changes Since Last Submittal** ☑

Company Name: EnviroTrac Ltd.

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

Well Search for

CASE NAME: Hess Port Reading Refinery

PROGRAM INTEREST (PI) ID # : 006148

SPREADSHEET SUBMISSION DATE: November 22, 2010

No Domestic, Public Supply, Non-public, Industrial, or Irrigation wells were identified.

Remedial Investigation Report
AOC 1 – North Landfarm, NJDEP PI #006148, NJPDES Permit # NJ0028878
Hess Corporation – Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

SRP PI # 006148

October 2012

Prepared for:

John J. Engdahl
Senior Specialist
Hess Corporation
One Hess Plaza
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Prepared by:

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3 Terri Lane, Suite #8
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Remedial Investigation Report
AOC 1 – North Landfarm
Hess Corporation – Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

1.0 Introduction

EnviroTrac Ltd. (EnviroTrac) has been retained by Hess Corporation (Hess) to provide Environmental Consulting services with regard to subsurface conditions at the Hess Corporation – Port Reading Refining Facility (HC-PR). The facility is located at 750 Cliff Road in Port Reading, Middlesex County, New Jersey. **Figure 1** is a United States Geological Survey (USGS) 7.5 minute series quadrangle map (Arthur Kill, New Jersey) depicting the HC-PR facility and associated land features.

This Remedial Investigation Report (RIR) presents investigative activities occurring at the HC-PR – AOC 1 - North Landfarm (herein referred to as the site). The North Landfarm has been the subject of environmental investigation and monitoring since at least 1985. In a 2009 memorandum the NJDEP expressed concern regarding an area immediately east of the North Landfarm. There are indications of ground disturbance in this area seen on the 1979 and 1980 aerial photographs. The location of the landfarm is shown on **Figure 2. Figure 3** is a site plan of the North Landfarm AOC.

2.0 Site Description

2.1 General Facility Information

The HC-PR facility is an approximate 210-acre irregularly shaped parcel situated in an industrially developed waterfront area. The facility is identified as Block 756, Lot 3; Block 756B, Lot 1; Block 751, Lot 1; Block 760, Lot 6; and Block 760B, Lots 1 and 3. The facility is comprised of an oil refinery, a petroleum storage terminal and approximately 30-acres of vacant land. The facility is located east of Cliff Road and abuts the southern property boundary of the Conrail Port Reading Rail yard. Immediately east/southeast of the facility is the Arthur Kill shipping Channel and to the southwest is the PSEG Sewaren Generating facility, the former Port Reading Coal Docks, currently owned by Prologis Corporation, are located to the northeast, Port Reading Avenue is located to the northwest, a mixture of industrial and commercial properties are located to the west, two residential properties are located upgradient to the northwest, and an industrial property is located to the south. A site location map for the HC-PR facility is presented as **Figure 1.** A groundwater contour map from June 26, 2012 depicts the entire HC-PR facility and is presented as **Figure 2**. In addition to current site features, the Groundwater Contour Map from June 26, 2012 illustrates the location of buried stream channels at the site.

The HC-PR facility currently processes low sulfur gas oils and residuals as feed to a Fluidized Catalytic Cracking Unit (FCCU) that converts gas oil into gasoline, fuel oil, and other hydrocarbon products (e.g. methane, ethane, and liquid petroleum gas).

The HC-PR site operations were initiated in 1958 with a Crude Topping Unit and underwent various expansions between 1958 and 1970. In 1974, refining operations were suspended and the facility operated only as a bulk storage and distribution terminal until 1985. In April 1985, following a retrofit, the HC-PR facility resumed refining operations, which continue seven days a week, 24-hours a day.

2.2 Background Information for the North Landfarm

The North Landfarm is located along the northeast boundary of the refinery property, as shown on **Figure 3,** the Site Plan – North Landfarm. The dimensions of the North Landfarm are approximately 100 feet (ft) long by 75-ft wide, and it is bounded on all sides by raised earthen dikes. The North Landfarm was formed in 1974 by constructing an orthogonal above-grade earthen dike in the northwest corner of the existing dike-protected area around Tank 7945.

The ground surface elevation within the North Landfarm ranges from 10.5 to 12.5 ft above mean sea level (MSL) as defined by National Geodetic Vertical Datum of 1929. The elevation of the top of the earthen dike is 18 feet. The 100-year flood level at the HC-PR facility is ten feet above MSL.

2.3 Operational and Regulatory History of the North Landfarm

The North Landfarm operated from 1975 to October 24, 1985 and received Interim Status in 1980. As part of the RCRA Part B permitting process and the Discharge to Ground Water permitting process under the NJPDES permit for the refining facility, HC-PR elected to close the North Landfarm.

Prior to 1985 the North Landfarm was used to treat two listed hazardous waste streams, API Separator Sludge (K051) and Leaded Tank Bottoms (K052). Use of the North Landfarm for this purpose was authorized under New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Groundwater (DGW) Permit No. NJ0028878. Presented below is a discussion of the specific organic and inorganic constituents that are known to have been contained in these waste materials. The total volume of waste applied to the North Landfarm from 1978 until October 24, 1985 [the last date of Resource Conservation Recovery Act (RCRA) hazardous waste application] is estimated at 21 tons. Non-hazardous biomass was applied to the Landfarm until about 1988.

The Environmental Protection Agency (EPA) issued a Hazardous and Solid Waste Amendments (HSWA) Permit (NJD045445483) for the Port Reading facility, effective on May 1, 1988. The HSWA Permit requires the nature, extent, and rate of migration of hazardous waste or hazardous constituents in soils, ground water, and sediment at any solid waste management unit (SWMU) to be determined. In June 1988, HC-PR submitted a Closure and Post Closure Plan for the North Landfarm to the New Jersey Department of Environmental Protection (NJDEP). The United States EPA Region II (USEPA) requested in a July 1, 1995 letter that HC-PR submit an updated summary of all investigations and remediation activities conducted at the site.

On November 14, 1995 HC-PR was informed in an NJDEP correspondence that the Bureau of Federal Case Management (BFCM) would assume oversight of SWMUs at the site, including

the North Landfarm. HC-PR continues to report progress at the North Landfarm to the USEPA in Semi-Annual Progress Reports that are copied to the NJDEP Case Manager.

The *North Landfarm – Baseline Soil Quality Investigation Report* was submitted to the NJDEP on September 15, 2003. In addition, a closure plan for the North Landfarm was submitted to the NJDEP on December 31, 2003. Based on subsequent correspondence with the Department HC-PR submitted a revised *Closure Plan for the North and South Landfarms* in April 2006. The plan included a schedule for continuing the soil and ground water investigations at both landfarms. Comments from NJDEP regarding the April 2006 *Closure Plan for the North and South Landfarms* were received in June 2007 and were addressed by HC-PR. A revised closure plan was submitted on November 15, 2007.

In addition to submittal of a RCRA closure plan, NJDEP requested that HC-PR submit a revision for the NJPDES DGW Permit (as a RCRA post-closure permit equivalence) for North Landfarm. The revised permit application specifies monitoring requirements for the post-closure monitoring period. The permit application was provided to NJDEP on June 30, 2006. Comments from the NJDEP regarding the application to revise NJPDES DGW Permit NJ0028878 were received in June 2007 and were addressed by HC-PR. A revised permit application that included a plan for delineation of impact to soil and groundwater was submitted on November 15, 2007.

Although requirements for monitoring of the North Landfarm were not included in the NJPDES DGW Permit, HC-PR continues to perform this monitoring. Quarterly ground water monitoring will continue at both the North and South Landfarms until closure of the landfarms is completed. The results of this quarterly sampling are reported to the NJDEP on a semi-annual basis with the latest report dated June 30, 2012.

The post-soil sampling report, *North Landfarm - Baseline Soil Quality Investigation Report* was submitted on September 15, 2003. On October 8, 2003, additional soil samples were collected to delineate TPHC and chromium across the surrounding area of the North Landfarm. The RCRA Closure Plan for the North Landfarm, which presented the analytical results from this sampling event, was submitted on December 31, 2003. On February 1, 2007, the *Supplemental Soil Investigation Report* for the North and South Landfarms was hand-delivered to NJDEP. This report presented the results of the soil sampling activities conducted on the North and South Landfarms during April and May 2006. Based on additional requirements specified in the November 15, 2007 *RCRA Closure Plan for the North and South Landfarms* and the NJDEP Memorandum dated June 10, 2009 HC-PR conducted additional soil assessments between October 12 and October 28, 2009.

2.4 Topography

The local topography of the refinery is relatively flat, with a very gradual slope downward to the Arthur Kill. The total difference in topographic relief on the developed portion of the site is less than 5 ft. Topographic survey results indicated that the developed portion of the property which has an approximate total area of 210 acres, ranges in elevation from 5 to 10 ft above MSL.

2.5 Geology and Hydrogeology

Facility geology was determined using data collected during subsurface investigations conducted at the HC-PR facility and from the Geologic Map of the State of New Jersey.

Inspection of the geologic map indicates that the HC-PR facility is underlain by the Magothy and Raritan formations. The Magothy Formation consists of dark lignitic sand and clay containing some glauconite near the top, and the overlying Raritan Formation consists of variable sands and clays. The western section of the HC-PR facility is underlain by a thick clay unit, while marsh deposits underlie the eastern and southeastern section of the HC-PR facility.

The shallow unconfined water table at the HC-PR facility was encountered between 1.70 (PL-9R) and 10.84 (PER-6R) feet below ground surface during September 2011. The average hydraulic gradient is approximately 0.001 feet per foot (ft/ft). Groundwater flow is predominately southeasterly in the northwest portion of the HC-PR facility and east-southeasterly in the central portion of the HC-PR facility. The HC-PR facility wells located adjacent the Arthur Kill and North Drainage Ditch are affected by tidal influences. Wells located further away from the Kill are generally unaffected by tidal influence.

2.5.1 Geology and Hydrogeology of the North Landfarm

A conceptual model of subsurface conditions at the North Landfarm site is based on an understanding developed upon review of historic and current soil boring logs, monitoring well logs, and the history of the area. The North Landfarm is underlain by approximately eight feet of dredge fill that consists of reddish-brown sands with clay and silt. Underlying this fill layer is an organic rich clayey silt unit that changes to an organic rich fibrous material (peat) zone with silty clay at approximately 10 ft below ground surface (bgs). The marsh deposit is underlain by a sand zone and clay layer. A stratigraphic cross section for the area is enclosed as **Figure 4.**

Groundwater above the silty clay is considered to be an unconfined water table aquifer and is separated from the deeper aquifer by relatively impermeable marsh deposits. Currently seven permitted monitoring wells designated LN-1 through LN-7 are specifically associated with the North Landfarm, although water levels at two additional wells, LPG-2, and PER-4, are incorporated in the quarterly monitoring events. Wells LN-1 through LN-4 were installed in 1985, while wells LN-5, LN-6, and LN-7 were installed in October 2010 to ensure monitoring of all potentially downgradient positions. Soil boring and monitoring well locations are shown on **Figure 5**. Well construction details are presented in **Table 1**. Well logs and NJDEP Form Bs are enclosed in **Appendix B**.

The general flow of ground water beneath the North Landfarm is to the north-northeast, as represented in **Figures 7, 8, 9, 10, 11, 12, and 13.** Ground water flows in a northeasterly direction and the waters from the upper unconfined aquifer merge with the surface water body known as the North Drainage Ditch. The channel of the North Drainage Ditch in this immediate area is approximately fifteen feet wide and 4 feet deep, although the water depth in the ditch is typically less than 6-inches. The ditch is northwest-southeast-trending feature connected to the Arthur Kill at the southeasterly most point. The normal daily tide elevations in the Arthur Kill range from a low tide of about -2.3 feet below MSL to a high tide of +4.3 ft above MSL. During high tide the ditch fills with water beyond the North Landfarm to the northwest. During low tide the ditch is dry. There is no significant backward flow of water at high tide and no significant outward flow of water at low tide. Flow in the ditch is generally laminar.

Surface water (precipitation) at the North Landfarm is contained by the dike walls and percolates to the subsurface. In accordance with the 2007 *Revised Closure Plan for the North and South Landfarms* a Ground Water Flow Assessment was completed to confirm flow direction directly below the North Landfarm. A temporary well point (NLP-1) was installed inside the dike in accordance with the NJDEP's *Alternative Groundwater Sampling Techniques Guide*

(July 1994). The well was installed to a depth of 14-feet below grade surface (bgs) and screened across the water table, and surveyed by a NJ licensed surveyor.

The gauging data indicated that the ground water level beneath the North Landfarm was consistent with levels beyond the dike walls determining an easterly flow.

3.0 Investigative Activities

3.1 Summary of Historic Investigations

3.1.1 Historic Soil Investigations

Investigations of the North Landfarm soils were conducted on several occasions as part of previously approved closure activities. Results of these earlier sampling events generally indicated that concentrations of hazardous constituents in landfarm soils were above the closure criteria specified by the NJDEP at that time (former Closure Plan Target Levels).

Soil core monitoring was conducted at the North Landfarm between 1980 and 2009. The monitoring consisted of obtaining one composite sample from the 0-12 inch bgs interval from three different locations from within the landfarm. Composite samples were analyzed for lead, chromium, pH, total organic carbon (TOC) and Total Petroleum Hydrocarbon Content (TPHC). These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Historically, lead was detected above the Non-Residential Direct Contact Soil Remediation Standard (NRDCSRS) of 800 mg/kg, and chromium concentrations were not detected above the USEPA Criteria for Action Level of 400 mg/kg, with the exception of the sample collected on April 29, 1999, in which chromium was detected at 447 mg/kg.

In 1988 HC-PR collected additional soil data, as part of previously approved closure activities. Sampling results were provided in the preliminary reconnaissance survey described in the Closure and Post-Closure Plan for the North Landfarm dated June 1988.

The most comprehensive soil characterization was performed during the baseline soil characterization sampling conducted in April and May 2002. A total of 24 soil borings (NB-1 through NB-20 and four background samples NBG-1 through NBG-4) were advanced and sampled, with 3 additional locations (NBG-5 through NBG-7) advanced and sampled on October 8, 2003. Those soil boring locations are depicted on **Figure 5** Samples were collected at two foot intervals from zero to ten (0-10) feet bgs, and analyzed for cadmium, chromium, copper, lead, zinc, nickel, Oil & Grease, TPHC, benzene, toluene, ethylbenzene, and xylenes (BTEX), chlorobenzene, phenol, pH, and Cation Exchange Capacity (CEC). Sampling results were provided in the *North Landfarm - Baseline Soil Quality Investigation Report* - September 15, 2003 and the *RCRA Closure Plan for the North Landfarm,* - December 31, 2003. The analytical data revealed concentrations of benzene, ethylbenzene, and xylene were detected above the applicable Impact to Ground Water Soil Cleanup Criteria (IGWSCC), and concentrations of benzene and lead were detected above the Residential Direct Contact Soil Remediation Standard (RDCSRS). No contaminants were detected above the applicable NRDCSRS in the soil samples collected in April and May 2002 and on October 8, 2003.

In April 2006 supplemental soil characterization borings were installed and samples collected. A total of 15 soil borings (NB-21 through NB-28 and NBGRD-1 through NBGRD-7) were installed at the North Landfarm. Samples were collected at two foot intervals from 0-10 feet bgs, and

analyzed for Target Compound List (TCL) volatile organic compounds (VOs) and semi-volatile organic compounds (SVOs) with a library search for 30 tentatively identified compounds (+30), Target Analyte List (TAL) metals, pH, and ammonia. Soil boring locations are depicted in **Figure 5.** Sampling results were provided in the *Supplemental Soil Investigation Report* - February 1, 2007 and the *Closure Plan for the North and South Landfarms* – November 15, 2007. The analytical data revealed concentrations of benzene, ethylbenzene, and xylene were detected above the applicable IGWSCC, and lead was detected above the RDCSRS. No contaminants were detected above the applicable NRDCSRS in the soil samples collected in April 2006. The summarized historical soil sampling analytical data is provided in **Table 2**.

These previous soil sampling investigations, specifically the analytical data presented in the November 15, 2007 *Closure Plan for the North and South Landfarms,* documented complete horizontal and vertical delineation of the contaminants of concern. The current soil investigation discussed in section 3.2.1 below is based solely on observations of a potential extension of the North Landfarm from review of the 1979 and 1980 aerial photographs.

3.1.2 Historic Groundwater Investigations

Four monitoring wells, LN-1 through LN-4 were installed in 1985 to monitor the North Landfarm unit. Between October 7, and October 8, 2010, three (3) additional monitoring wells (LN-5 through LN-7) were installed around the North Landfarm. Historically these wells were sampled on a quarterly basis from 1985 through 2001, on a semi-annual basis from 2002 through 2008, and on a quarterly (January, April, July and December) basis since 2009.

Currently, seven (7) monitoring wells (LN-1 through LN-7) surrounding the North Landfarm are sampled on a quarterly basis (January, April, July, and October), in accordance with the NJPDES Permit. The results from the sampling events are submitted semi-annually (June and December) to the NJDEP case manager.

Historically, analysis has been performed for VOs with a library search for 10 tentatively identified compounds (+10), metals, and general chemistry. Historical exceedances of the Ground Water Quality Standards (GWQS) for tertiary butyl ether (TBA), nitrogen as ammonia, chloride, sulfate, arsenic, iron, manganese, and sodium, have been detected.

With the exception of TBA at LN-4 in July 2006, January 2007, and July 2007, all VOs have been reported as either non-detect (ND) or below the respective GWQS. Analytical results VO parameters are summarized on **Table 4.**

The seven wells have consistently exceeded GWQS for iron, manganese, and sodium. LN-3, LN-4, LN-6, and LN-7 have consistently exceeded the GWQS for arsenic while that exceedance has been intermittent for the respectively upgradient and sidegradient wells LN-1, LN-2, and LN-5. The analytical results for the metal parameters are summarized on **Table 5.**

Wells LN-1 and LN-3 have consistently exceeded the GWQS for nitrogen as ammonia, with intermittent exceedances in LN-6 and LN-7. The GWQS for Total Dissolved Solids (TDS) has been consistently exceeded in LN-1, LN-3, LN-6 and LN-7, with intermittent exceedances in LN-4. The GWQS for chloride has been consistently exceeded in LN-1, with intermittent exceedances in LN-3, LN-4, LN-6 and LN-7. The analytical results for the general chemistry parameters are summarized on **Table 6.**

3.1.3 Lysimeter Investigations

Lysimetry is used as an indicator of the quality of soil-pore fluids in the unsaturated zone under the landfarm (or at background) and is used to help determine whether the regulated units have had a potential release of hazardous constituents into the subsurface soil or groundwater. The North Landfarm is well drained and lysimeters apparently stopped producing water in approximately 1988; therefore, there is no analytical data result for the landfarm lysimeters after 1987. Non-hazardous biomass was no longer applied to the North Landfarm during the same period; therefore no fluids were available to percolate through the Treatment Zone. Based on this observation HC-PR believes that the wastes applied to the landfarm prior to 1988 were either degraded or immobilized within the Landfarm treatment zone.

3.2 Current Investigation

This RIR presents the results of additional well installations, soil and groundwater sampling that was conducted to comply with requests of the NJDEP in association with the closure of AOC 1: North Landfarm. In a Memorandum dated June 10, 2009, and presented in **Appendix A** the NJDEP expressed concern relating to well locations and an area of potential landfarm usage extending east from the diked area of the North Landfarm. This concern was based upon review of 1979 and 1980 aerial photographs supplied to the Department by HC-PR. The memo stated:

1. *Comment: LN-4 is downgradient of a portion of a larger North Landfarm area that appears in 1979 and 1980 aerial photographs. A well at LN-4 location must be maintained that is screened across the water table.*

   REPLY: This comment is addressed in Section 3.2.2 below. LN-4 has been maintained and the monitoring network has been expanded with the installation of three new wells, including one that was installed within the potential larger landfarm area.

2. *Comment: Limited soil sampling was conducted outside of the North Landfarm in the extended landfarm area referenced above. This area needs to have additional soil sampling to determine if it needs to be included in the closure plan (part of uncapped unit and part of closure plan/RCRA deed notice; consolidated within the capped unit; etc.). A soil RIW is required for this area unless some explanation can be given and accepted that indicates it is not part of the unit.*

   REPLY: This comment is addressed in Section 3.2.1 below. Additional soil sampling has been conducted in the referenced location(s).

3. *Comment: December 16, 2008 – The North Landfarm flow conditions showed that LN-3 is the only well downgradient of the North Landfarm, LN-2 and LN-4 are sidegradient. Well locations shall be proposed.*

   REPLY: This comment is addressed in section 3.2.2 below. The monitoring network has been expanded with the installation of three new wells.

4. *Comment: With the new wells and soil sample data, Hess should be able to finalize the closure plan and well locations and NJDEP should be able to proceed with approving the closure plan and issuance of a post closure monitoring program for the North Landfarm.*

REPLY: HC-PR agrees with his comment.

3.2.1 Current Soil Investigation

On October 27, 2009, five (5) soil borings (NLF-1 through NLF-5) were installed to the east of AOC 1, see **Figure 5**. In a NJDEP Memorandum dated June 10, 2009, the NJDEP requested an investigation of this area to investigate suspected landfarm activities in this area. Continuous soil samples were collected from ground surface to a depth of ten feet at each location. Soil samples from every two-foot interval (0-2', 2'-4', 4'-6', 6'-8', and 8'-10') were collected for laboratory analyses for TCL VOs and SVOs +30 and TAL metals as per Table 2.1 of NJAC 7:26E.

Analytical data revealed that no contaminant was detected above the NJDEP IGWSCC, RDCSRS, NRDCSRS in the soil samples. The analytical results have been summarized and presented in **Table 3**. The Analytical Data packages are included in **Appendix C**. The required Hazsite Disk is provided in **Appendix F**.

As requested by the Department in a memorandum dated December 16, 2008, **Figure 5** also illustrates the historic and current areas of exceedances of the NJDEP IGWSCC and RDCSRS. No concentrations were detected above the NRDCSRS during the soil investigations at the North Landfarm. In addition, **Figure 6** depicts a cross section of the areas of exceedances of the NJDEP IGWSCC and RDCSRS.

3.2.2 Well Installation

On October 7, and October 8, 2010, three (3) monitoring wells (LN-5 through LN-7) were installed in downgradient locations around the North Landfarm. The monitoring wells were installed as downgradient wells at AOC-1. The well logs, well permits, and Form B's for LN-5 through LN-7 are presented in **Appendix B.**

3.2.3 Current Groundwater Investigation

This RIR presents the results of groundwater sampling since October 2010 to the present as the Current Groundwater Investigation. Currently seven (7) monitoring wells (LN-1 through LN-7) surrounding the North Landfarm are sampled on a quarterly basis (January, April, July, and October) and analyzed for VOs with a library search for 15 tentatively identified compounds (+15), TAL metals, and general chemistry parameters in accordance with the NJDES DGW Permit. All sampling is conducted in accordance with the NJDEP Field Sampling Procedures Manual (2005). Analytical results are submitted in the Semi-Annual Landfarm Monitoring Reports (June and December).

Monitoring wells LN-4, LN-5, LN-6, and LN-7 have been consistently screened across the water table. During the January 2011 and October 2011 events the water table in LN-3 was within the screen, but during the April 2011 event, the water table was above the screen section. The top of screen in LN-1 and LN-2 was deeper than the water table during these three events. However, this condition does not affect the analysis of data from these wells. LN-1 is located over 100 feet upgrade from the landfarm unit and VOs have not been detected at LN-1 or LN-2 since at least 2002.

3.2.3.1 Ground Water Analytical Results – January 19, 2011

During the January 19, 2011 sampling event, ground water samples LN-1 through LN-4, LN-6, and LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. During the sampling event, LN-5 could not be located due to snow coverage; therefore, no sample was collected from LN-5 during the January 19, 2011 sampling event. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are summarized below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the January 19, 2011 sampling event. Analytical results are summarized in **Table 4**.

Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the January 19, 2011 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic:

Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-3 (23 ug/L), LN-4 (5.3 ug/L), LN-6 (9.0 ug/L), and LN-7 (9.3 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in wells LN-1 (34,700 ug/L), LN-2 (27,000 ug/L), LN-3 (99,400 ug/L), LN-4 (20,000 ug/L), LN-6 (47,300 ug/L), and LN-7 (23,100 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in wells LN-1 (1,670 ug/L), LN-2 (363 ug/L), LN-3 (356 ug/L), LN-4 (373 ug/L), LN-6 (949 ug/L), and LN-7 (1,050 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (274,000 ug/L), LN-2 (98,900 ug/L), LN-3 (166,000 ug/L), LN-4 (120,000 ug/L), LN-6 (143,000 ug/L), and LN-7 (209,000 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the January 19, 2011 sampling event is provided below, along with the results of the TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (9.2 mg/L), LN-2 (3.5 mg/L), LN-3 (9.1 mg/L), LN-4 (4.4 mg/L), LN-6 (7.2 mg/L), and LN-7 (4.5 mg/L).

Total Dissolved Solids

Concentrations of TDS were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (1,020 mg/L), LN-3 (623 mg/L), LN-6 (643 mg/L), and LN-7 (737 mg/L). Concentrations of TDS remained below the NJDEP GWQS in sample LN-2, LN-4, and LN-5.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in the sample collected from LN-1 (4.4 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2 through LN-7.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-1 (416 mg/L) and LN-7 (253 mg/L). Concentrations of chloride remained below the NJDEP GWQS in samples LN-2 through LN-6.

pH

The pH values for all North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5.

3.2.3.2 Ground Water Analytical Results – April 20, 2011

During the April 20, 2011 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are summarized below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the April 20, 2011 sampling event. Analytical results are summarized in **Table 4**.

Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the April 20, 2011 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-3 (5.8 ug/L), LN-4 (10.7 ug/L), and LN-7 (9.3 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (36,400 ug/L), LN-2 (23,300 ug/L), LN-3 (96,100 ug/L), LN-4 (23,300 ug/L), LN-5 (3,400 ug/L), LN-6 (32,400 ug/L), and LN-7 (23,400 ug/L).

Lead: Lead was detected above the NJDEP GWQS of 5 ug/L in well LN-5 (6.6 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in each of the seven wells, LN-1 (1,530 u/L), LN-2 (256 ug/L), LN-3 (1,380 ug/L), LN-4 (327 ug/L), LN-5 (95.9 ug/L), LN-6 (1,060 ug/L), and LN-7 (1,100 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (264,000 ug/L), LN-2 (71,200 ug/L), LN-3 (427,000 ug/L), LN-4 (119,000 ug/L), LN-6 (167,000 ug/L), and LN-7 (135,000 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the April 20, 2011 sampling event is provided below, along with the results of the TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (9.7 mg/L), LN-2 (3.2 mg/L), LN-3 (8.1 mg/L), LN-4 (5.8 mg/L), LN-5 (1.3 mg/L), LN-6 (5.0 mg/L), and LN-7 (11.4 mg/L).

Total Dissolved Solids

Concentrations of TDS were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (1,040 mg/L), LN-3 (2,120 mg/L), LN-6 (704 mg/L) and LN-7 (718 mg/L). Concentrations of TDS remained below the NJDEP GWQS in samples LN-2, LN-4 and LN-5.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in samples LN-1 (3.6 mg/L) and LN-3 (3.2 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2 and LN-4 through LN-7.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-1 (389 mg/L), LN-3 (1,090 mg/L), and LN-6 (268 mg/L). Concentrations of chloride remained below the NJDEP GWQS in samples LN-2, LN-4, LN-5 and LN-7.

pH

The pH value for LN-5 was outside the NJDEP GWQS range of 6.5 and 8.5 at 4.87. The pH values for all other North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5.

3.2.3.3 Ground Water Analytical Results – July 21, 2011

During the July 21, 2011 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are summarized below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the July 21, 2011 sampling event. Analytical results are summarized in **Table 4**.

Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the July 21, 2011 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-1 (6.1 ug/L), LN-2 (9.1 ug/L), LN-3 (17.2 ug/L), LN-4 (13.4 ug/L), LN-6 (9.2 ug/L), and LN-7 (9.5 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (105,000 ug/L), LN-2 (36,200 ug/L), LN-3 (52,800 ug/L), LN-4 (21,400 ug/L), LN-5 (2,660 ug/L), LN-6 (48,000 ug/L), and LN-7 (20,800 ug/L).

Lead: Lead was detected above the NJDEP GWQS of 5 ug/L in well LN-5 (7.2 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in wells LN-1 (1,380 ug/L), LN-2 (148 ug/L), LN-3 (616 ug/L), LN-4 (318 ug/L), LN-6 (1,120 ug/L), and LN-7 (1,220 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in LN-1 (197,000 ug/L), LN-3 (230,000 ug/L), LN-4 (107,000 ug/L), LN-6 (144,000 ug/L), and LN-7 (198,000 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the July 21, 2011 sampling event is provided below, along with the results of the

TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (9.9 mg/L), LN-2 (2.8 mg/L), LN-3 (15.2 mg/L), LN-4 (4.4 mg/L), LN-5 (2.4 mg/L), LN-6 (7.3 mg/L), and LN-7 (10.1 mg/L).

Total Dissolved Solids

Total dissolved solids (TDS) were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (754 mg/L), LN-3 (869 mg/L), LN-6 (670 mg/L), and LN-7 (816 mg/L). Concentrations of TDS remained below the NJDEP GWQS in sample LN-2, LN-4 and LN-5.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in samples LN-1 (5.3 mg/L), LN-3 (3.3 mg/L), LN-6 (3.8 mg/L), and LN-7 (3.0 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2, LN-4, and LN-5.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-3 (395 mg/L) and LN-7 (308 mg/L). Concentrations of chloride remained below the NJDEP GWQS in samples LN-1, LN2, LN-4, LN-5, and LN-6.

pH

The pH values for all North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5, with the exception of LN-5 (4.50) and LN-6 (6.09).

3.2.3.4 Ground Water Analytical Results – October 20, 2011

During the October 20, 2011 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are presented below.

Volatile Organic Compounds

Benzene was detected above the NJDEP GWQS of 1 ug/L in well LN-7 (12.1 ug/L) during the October 20, 2011 sampling event. No VOCs were detected in the remaining wells during the October 20, 2011 sampling event. Analytical results are summarized in **Table 4**.

Total Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the

October 20, 2011 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-1 (4.5 ug/L), LN-3 (13.8 ug/L), LN-4 (24.2 ug/L), LN-5 (5.1 ug/L), LN-6 (9.3 ug/L), and LN-7 (11.0 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (35,100 ug/L), LN-2 (17,300 ug/L), LN-3 (36,000 ug/L), LN-4 (40,700 ug/L), LN-5 (7,160 ug/L), LN-6 (43,600 ug/L), and LN-7 (12,900 ug/L).

Lead: Lead was detected above the NJDEP GWQS of 5 ug/L in well LN-5 (14.1 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in wells LN-1 (1,110 ug/L), LN-2 (276 ug/L), LN-3 (639 ug/L), LN-4 (483 ug/L), LN-6 (1,300 ug/L), and LN-7 (729 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (237,000 ug/L), LN-2 (94,700 ug/L), LN-3 (205,000 ug/L), LN-4 (139,000 ug/L), LN-6 (159,000 ug/L), and LN-7 (211,000 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the October 20, 2011 sampling event is provided below, along with the results of the TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (8.1 mg/L), LN-2 (3.3 mg/L), LN-3 (9.9 mg/L), LN-4 (<0.20 mg/L), LN-5 (2.7 mg/L), LN-6 (5.4 mg/L), and LN-7 (5.8 mg/L).

Total Dissolved Solids

Total dissolved solids (TDS) were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (913 mg/L), LN-3 (739 mg/L), LN-4 (544 mg/L) LN-6 (675 mg/L), and LN-7 (705 mg/L). Concentrations of TDS remained below the NJDEP GWQS in sample LN-2, LN-4.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in samples LN-1 (5.0 mg/L), LN-3 (3.0 mg/L) and LN-6 (3.1 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2, LN-4, LN-5 and LN-7.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-1 (381 mg/L) and LN-7 (250 mg/L). Concentrations of chloride remained below the NJDEP GWQS in samples LN-2 through LN-6.

pH

The pH values for all North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5, with the exception of LN-1 (6.09), LN-4 (6.23), and LN-7 (6.15).

3.2.3.5 Ground Water Analytical Results – January 18, 2012

During the January 18, 2012 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are presented below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the January 18, 2012 sampling event. Analytical results are summarized in **Table 4**.

Total Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the January 18, 2012 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-3 (48.5 ug/L), LN-4 (10 ug/L), LN-5 (6.6 ug/L), LN-6 (25.2 ug/L), and LN-7 (5.0 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (44,500 ug/L), LN-2 (19,700 ug/L), LN-3 (128,000 ug/L), LN-4 (17,300 ug/L), LN-5 (12,300 ug/L), LN-6 (87,800 ug/L), and LN-7 (13,500 ug/L).

Lead: Lead was detected above the NJDEP GWQS of 5 ug/L in well LN-5 (23.2 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in each of the seven wells, LN-1 (1,330 ug/L), LN-2 (309 ug/L), LN-3 (532 ug/L), LN-4 (233 ug/L), LN-5 (64.5 ug/L), LN-6 (436 ug/L), and LN-7 (791 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (272,000 ug/L), LN-2 (81,600 ug/L), LN-3 (149,000 ug/L), LN-4 (107,000 ug/L), LN-6 (71,500 ug/L), and LN-7 (205,000 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the January 18, 2012 sampling event is provided below, along with the results of the TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (10.4 mg/L), LN-2 (3.5 mg/L), LN-3 (13.2 mg/L), LN-4 (4.0 mg/L), LN-5 (1.6 mg/L), LN-6 (9.8 mg/L), and LN-7 (4.6 mg/L).

Total Dissolved Solids

Total dissolved solids (TDS) were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (998 mg/L), LN-3 (557 mg/L), and LN-7 (705 mg/L). Concentrations of TDS were reported below the NJDEP GWQS in sample LN-2, LN-4, LN-5 and LN-6.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in sample LN-1 (3.5 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2 through LN-7.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-1 (364 mg/L). Concentrations of chloride were below the NJDEP GWQS in samples LN-2 through LN-7.

pH

The pH values for all North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5.

3.2.3.6 Ground Water Analytical Results – April 24, 2012

During the April 24, 2012 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are presented below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the April 24, 2012 sampling event. Analytical results are summarized in **Table 4**.

Total Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the April 24, 2012 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-2 (10.5 ug/L), LN-3 (11.7 ug/L), LN-4 (10.9 ug/L), LN-6 (12.9 ug/L), and LN-7 (8.1 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (31,000 ug/L), LN-2 (82,800 ug/L), LN-3 (87,500 ug/L), LN-4 (29,100 ug/L), LN-5 (601 ug/L), LN-6 (48,400 ug/L), and LN-7 (39,600 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in wells LN-1 (1,520 ug/L), LN-2 (409 ug/L), LN-3 (1,390 ug/L), LN-4 (532 ug/L), LN-6 (545 ug/L), and LN-7 (1,170 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (271,000 ug/L), LN-2 (64,200 ug/L), LN-3 (714,000 ug/L), LN-4 (94,700 ug/L), and LN-6 (85,800 ug/L).

General Chemistry

Several targeted general chemistry concentrations were detected in wells LN-1 through LN-7. A summary of the results of the general chemistry concentrations detected above their respective GWQS during the April 24, 2012 sampling event is provided below, along with the results of the TOC analysis. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

Ground water samples have been analyzed for TOC as a measure of the overall organic content. Concentrations of TOC were detected in samples LN-1 (8.1 mg/L), LN-2 (3.8 mg/L), LN-3 (4.3 mg/L), LN-4 (4.1 mg/L), LN-5 (1.0 mg/L), LN-6 (7.9 mg/L), and LN-7 (6.4 mg/L).

Total Dissolved Solids

Total dissolved solids (TDS) were detected above the NJDEP GWQS of 500 mg/L in samples LN-1 (998 mg/L), LN-3 (3,450 mg/L), and LN-7 (577 mg/L). Concentrations of TDS were reported below the NJDEP GWQS in sample LN-2, LN-4, LN-5, and LN-6.

Nitrogen as Ammonia

Nitrogen as ammonia was detected above the interim specific standard of 3.0 mg/L in sample LN-1 (4.8 mg/L). Concentrations of nitrogen as ammonia remained below the interim specific standard in samples LN-2 through LN-7.

Chloride

Chloride was detected above the NJDEP GWQS of 250 mg/L in samples LN-1 (380 mg/L) and LN-3 (1,720 mg/L). Concentrations of chloride were below the NJDEP GWQS in samples LN-2, and LN-4 through LN-7.

pH

The pH values for all North Landfarm samples were inside of the NJDEP GWQS range of 6.5 and 8.5, with the exception of LN-5 (6.19) and LN-7 (5.68).

3.2.3.7 Ground Water Analytical Results – July 24, 2012

During the July 24, 2012 sampling event, ground water samples LN-1 through LN-7 were collected and subsequently analyzed for VO+15, metals, and general chemistry parameters. These parameters are based on the characteristics of the wastes that were historically applied to the landfarm. Analytical results are summarized in **Table 4**, **Table 5**, and **Table 6** and are presented below.

Volatile Organic Compounds

No targeted VOC concentrations were detected in wells LN-1 through LN-7 above the NJDEP Ground Water Quality Standards (GWQS) during the July 24, 2012 sampling event. Analytical results are summarized in **Table 4**.

Total Metals

Several targeted metal concentrations were detected in wells LN-1 through LN-7. A summary of the results of the total metals concentrations detected above their respective GWQS during the July 24, 2012 sampling event is provided below. All other targeted constituents were either ND or below their respective GWQS. Analytical results are summarized in **Table 5**.

Arsenic: Arsenic was detected above the NJDEP GWQS of 3 ug/L in wells LN-3 (43.6 ug/L), LN-4 (16.3 ug/L), LN-5 (3.4 ug/L), LN-6 (7.9 ug/L), and LN-7 (8.3 ug/L).

Iron: Iron was detected above the NJDEP GWQS of 300 ug/L in each of the seven wells, LN-1 (38,700 ug/L), LN-2 (24,600 ug/L), LN-3 (90,400 ug/L), LN-4 (30,300 ug/L), LN-5 (6,070 ug/L), LN-6 (41,200 ug/L), and LN-7 (15,500 ug/L).

Manganese: Manganese was detected above the NJDEP GWQS of 50 ug/L in wells LN-1 (1,110 ug/L), LN-2 (340 ug/L), LN-3 (527 ug/L), LN-4 (342 ug/L), LN-6 (1,080 ug/L), and LN-7 (736 ug/L).

Sodium: Sodium was detected above the NJDEP GWQS of 50,000 ug/L in wells LN-1 (238,000 ug/L), LN-2 (99,300 ug/L), LN-3 (335,000 ug/L), LN-4 (118,000 ug/L), LN-6 (131,000 ug/L), and LN-7 (139,000 ug/L).

General Chemistry

A summary of the results of the general chemistry concentrations detected above their respective GWQS during the July 24, 2012. All other targeted constituents were either ND or below their respective GWQS. Summarized analytical results are provided in **Table 6**.

Total Organic Carbon

The groundwater samples were not analyzed for Total Organic Carbon during the July 24, 2012 groundwater sampling event.

Total Dissolved Solids

Total dissolved solids (TDS) were detected above the NJDEP GWQS of 500 mg/L in samples LN-3 (1,270 mg/L), LN-6 (537 mg/L), and LN-7 (577 mg/L). Concentrations of TDS were reported below the NJDEP GWQS in sample LN-1, LN-2, LN-4, and LN-5.

Nitrogen as Ammonia

The groundwater samples were not analyzed for Nitrogen as Ammonia during the July 24, 2012 groundwater sampling event.

Chloride

The groundwater samples were not analyzed for Chloride during the July 24, 2012 groundwater sampling event.

pH

The groundwater samples were not analyzed for pH during the July 24, 2012 groundwater sampling event.

4.0 Receptor Evaluation

HC-PR has conducted Receptor Evaluation (RE) for AOC 1 as required per NJAC 7:26E-3.11. The RE for the HC-PR facility was submitted to the Department on February 11, 2011. The RE does recommend and present a scope of work for Remedial Investigation of Ecological Receptors per NJAC 7:26E-4.7. However, this recommendation is not made in specific reference to AOC 1.

The soil impact is delineated and impacted soils are contained within raised dikes to prevent surface water runoff; therefore there is no potential completed pathway via surface water.

Groundwater may represent a completed pathway from the North Landfarm to the North Drainage Ditch. However, the levels of dissolved compounds of potential environmental concern (COPECs) from the North Landfarm as seen in the downgradient wells do not represent an ecological concern. With the exception of lead in LN-5 and LN-6, each of the above parameters detected in downgradient wells (LN-2, LN-3, LN-4, LN-5, and LN-6) are detected at similar or greater concentrations in an upgradient position well (LN-1 and/or LN-7).

Therefore, lead is the only COPECs from the North Landfarm with regard to the groundwater pathway.

The March 9, 2009 NJDEP Bureau of Environmental Evaluation and Risk Assessment Ecological Screening Criteria were used as a reference for assessment of the groundwater pathway COPECs. Comparison of the highest concentration of lead, which was during the October 26, 2010 sampling event in LN-6 (58.5 ug/L), to the NJDEP Ecological Screening Criteria (ESC) Acute and Chronic Saline Surface Water Criteria for lead (210 ug/L and 24 ug/L, respectively) revealed that there may have been a groundwater pathway for lead; however, the concentrations for lead have decreased since the October 26, 2010 sampling event, and no concentrations of lead detected in the North Landfarm wells since have exceeded the NJDEP ESC Acute and Chronic Saline Surface Water Criteria for lead. A copy of the referenced NJDEP Ecological Screening Criteria is enclosed as **Appendix D.**

5.0 Conclusions

5.1 Soils

Contaminants of concern were horizontally and vertically delineated within the North Landfarm during the historic soil investigations conducted in April and May 2002 and April 2006. An additional soil investigation was conducted to the east of the North Landfarm to assess the potential for contamination due to landfarming activities suspected in this area based on a review of the 1979 and 1980 aerial photographs. During the additional soil investigation conducted on October 27, 2009, no contaminants of concern were detected in the soil samples collected above the applicable IGWSCC, RDCSRS, or NRDCSRS. No further investigation of the soils in the area to the east of the North Landfarm is required.

As shown on Figure 13 impact to soils from the North landfarm has been delineated. HC-PR requests that the closure of the North Landfarm proceed with no further remedial investigation. HC-PR proposes to continue to conduct groundwater monitoring (January, April, July, and October) and semi-annual reporting (June and December) until the regimen is adjusted by an approved Landfarm Closure Plan.

5.2 Groundwater

Ground water concentrations of VOs detected in the North Landfarm wells continue to remain within the relevant regulatory standards. Analytical results indicate several metals, including arsenic, iron, lead, manganese and sodium, have been consistently detected at concentrations above the NJDEP GWQS in the North Landfarm wells. Concentrations of cadmium and chromium have been historically detected in the North Landfarm wells; however, no concentrations of cadmium and chromium have been detected since the January 23, 2007 and July 21, 2010 sampling events, respectively. No concentrations of barium, mercury, selenium, and silver have been detected in the North Landfarm wells above the NJDEP GWQS.

TDS, chloride, and nitrogen as ammonia have been detected above the NJDEP GWQS within North Landfarm wells, and the pH has been detected outside of the regulated range of 6.5 to 8.5. Concentrations of sulfate have been historically detected in the North Landfarm wells; however, concentrations of sulfate have not been detected in the North Landfarm wells since the April 14, 2008 sampling event. No concentrations of nitrogen as nitrate, nitrogen as nitrite,

phenols, and fluoride have been detected above the NJDEP GWQS. The concentrations of metals and general chemistry parameters above the NJDEP GWQS during the current ground water investigation were consistent with the previous sampling events.

With the exception of lead in LN-5 and LN-6, each of the above parameters detected in downgradient wells (LN-2, LN-3, LN-4, LN-5, and LN-6) have been detected at similar or greater concentrations in an upgradient position well (LN-1 and/or LN-7).

The Reduced Deliverable Laboratory Data Reports for the samples collected in October 2010, January 2011, April 2011, July 2011, October 2001, January 2012, and April 2012 were previously submitted to the Department in Semi-Annual Groundwater Monitoring Reports. The Laboratory Analytical Data Package for the July 2012 groundwater sampling event is enclosed in **Appendix E**. The required Hazsite Disk is provided in **Appendix F**.

HC-PR requests that the closure of the North Landfarm proceed with no further remedial investigation. HC-PR proposes to continue to conduct groundwater monitoring (January, April, July, and October) and semi-annual reporting (June and December) until the regimen is adjusted by an approved Landfarm Closure Plan.

6.0 Summary

As stated in a June 10, 2009 Memorandum, the NJDEP was concerned with an area immediately east of the North Landfarm. Observation of ground disturbance in this area as seen on the 1979 and 1980 aerial photographs indicated potential landfarm activities. HC-PR performed a soil investigation in this area during the October 2009 site wide Geoprobe event. Five (5) soil boring locations were sampled in two-foot intervals (0-2', 2'-4', 4'-6', 6'-8', and 8'-10') to a depth of ten feet, for a total of twenty-five (25) samples. The samples were analyzed for TCL/TAL+30. All results were below the NJDEP IGWSCC. The laboratory data is available in **Appendix C**.

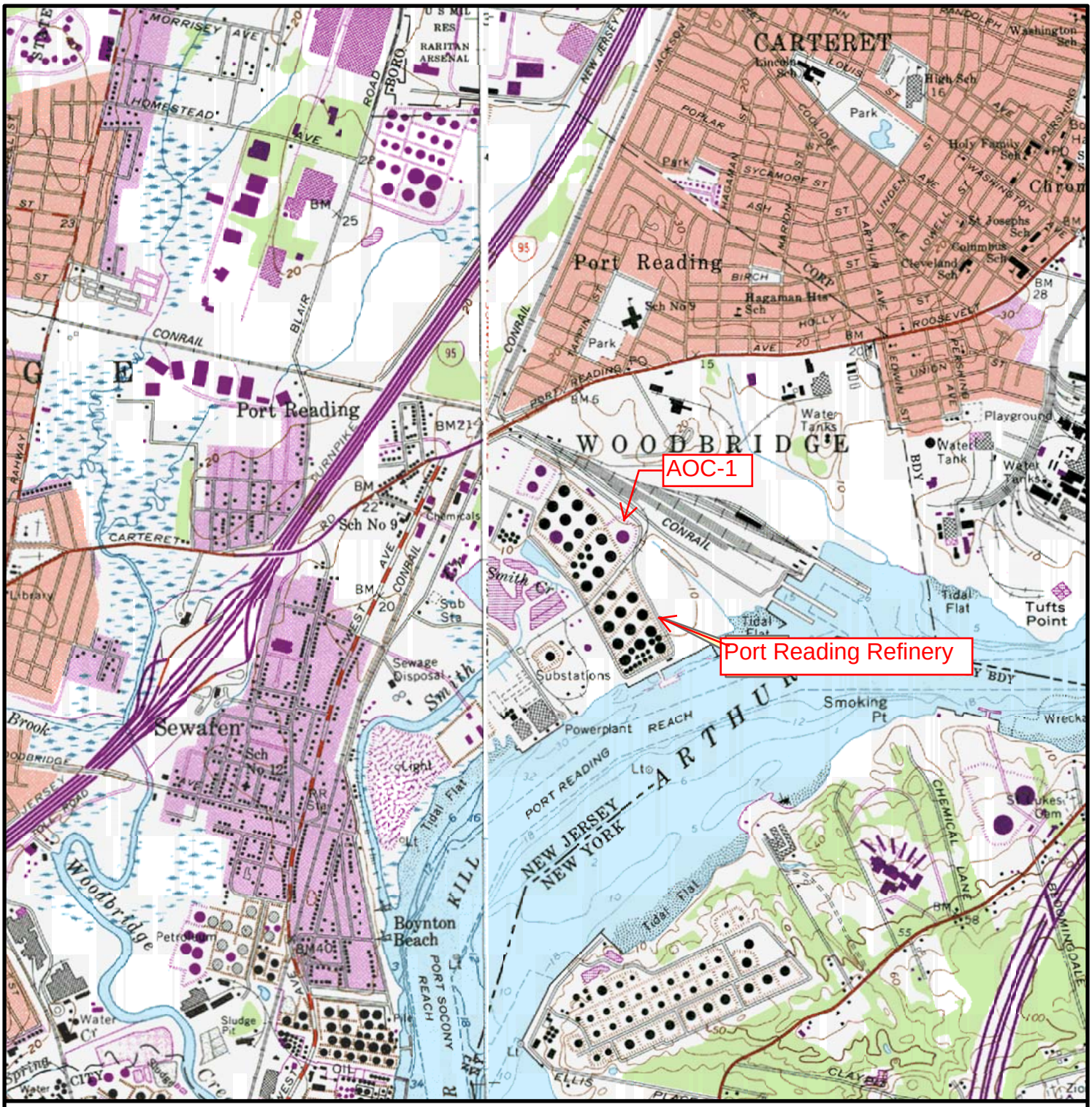
The NJDEP also stated concern that well locations were not at downgradient locations at AOC 1. Three additional monitoring wells were installed at locations demonstrated to be downgradient of the landfarm unit. Results of sampling and analyses of these wells have been consistent with historical conditions and do not present environmental concern.

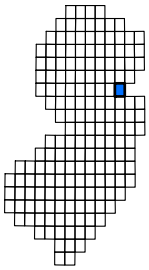
The results of remedial investigation support the closure of the North Landfarm. HC-PR proposes the NJDEP proceed with the closure of the North Landfarm with no further remedial investigation. HC-PR also proposes to continue groundwater monitoring will continue in the current format until modifications to the sampling regimen are made in accordance to an approved Closure Plan.

FIGURES

1. Site Location Map
2. Groundwater Contour Map—June 26, 2012
3. Site Plan—North Landfarm
4. Stratigraphic Cross Section- North Landfarm
5. Soil Sample Location Map
6. Soil Sample- Cross Section Map
7. Groundwater Contour Map- January 19, 2011
8. Groundwater Contour Map- April 20, 2011
9. Groundwater Contour Map- July 21, 2011
10. Groundwater Contour Map- October 20, 2011
11. Groundwater Contour Map- January 18, 2012
12. Groundwater Contour Map- April 27, 2012
13. Groundwater Contour Map- July 24, 2012

EnviroTrac



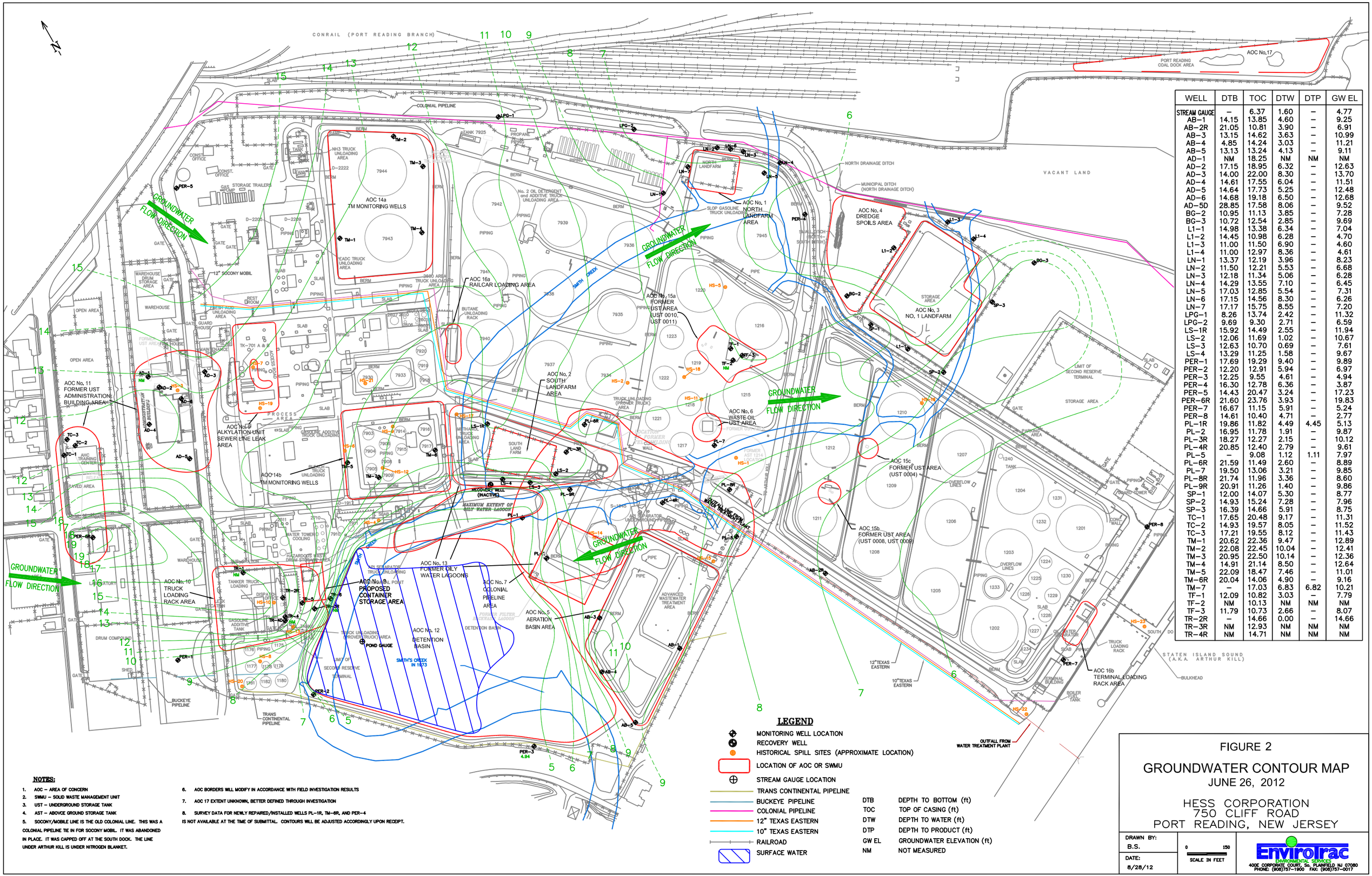


QUADRANGLE LOCATION:
ARTHUR KILL, NEW JERSEY

0 1,000 2,000 4,000 6,000 8,000 Feet

N W E S

FIGURE #	U.S.G.S. TOPOGRAPHIC MAP	DRAWN BY: B.J.S.	EnviroTrac ENVIRONMENTAL SERVICES
1	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	DATE: 7/15/10	400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017



WELL	DTB	TOC	DTW	DTP	GW EL
STREAM GAUGE	–	6.37	1.60	–	4.77
AB–1	14.15	13.85	4.60	–	9.25
AB–2R	21.05	10.81	3.90	–	6.91
AB–3	13.15	14.62	3.63	–	10.99
AB–4	4.85	14.24	3.03	–	11.21
AB–5	13.13	13.24	4.13	–	9.11
AD–1	NM	18.25	NM	NM	NM
AD–2	17.15	18.95	6.32	–	12.63
AD–3	14.00	22.00	8.30	–	13.70
AD–4	14.61	17.55	6.04	–	11.51
AD–5	14.64	17.73	5.25	–	12.48
AD–6	14.68	19.18	6.50	–	12.68
AD–5D	28.85	17.58	8.06	–	9.52
BG–2	10.95	11.13	3.85	–	7.28
BG–3	10.72	12.54	2.85	–	9.69
L1–1	14.98	13.38	6.34	–	7.04
L1–2	14.45	10.98	6.28	–	4.70
L1–3	11.00	11.50	6.90	–	4.60
L1–4	11.00	12.97	8.36	–	4.61
LN–1	13.37	12.19	3.96	–	8.23
LN–2	11.50	12.21	5.53	–	6.68
LN–3	12.18	11.34	5.06	–	6.28
LN–4	14.29	13.55	7.10	–	6.45
LN–5	17.03	12.85	5.54	–	7.31
LN–6	17.15	14.56	8.30	–	6.26
LN–7	17.17	15.75	8.55	–	7.20
LPG–1	8.26	13.74	2.42	–	11.32
LPG–2	9.69	9.30	2.71	–	6.59
LS–1R	15.92	14.49	2.55	–	11.94
LS–2	12.06	11.69	1.02	–	10.67
LS–3	12.63	10.70	0.69	–	7.61
LS–4	13.29	11.25	1.58	–	9.67
PER–1	17.69	19.29	9.40	–	9.89
PER–2	12.20	12.91	5.94	–	6.97
PER–3	12.25	9.55	4.61	–	4.94
PER–4	16.30	12.78	6.36	–	3.87
PER–5	14.43	20.47	3.24	–	17.23
PER–6R	21.60	23.76	3.93	–	19.83
PER–7	16.67	11.15	5.91	–	5.24
PER–8	14.61	10.40	4.71	–	2.77
PL–1R	19.86	11.82	4.49	4.45	5.13
PL–2	16.95	11.78	1.91	–	9.87
PL–3R	18.27	12.27	2.15	–	10.12
PL–4R	20.85	12.40	2.79	–	9.61
PL–5	–	9.08	1.12	1.11	7.97
PL–6R	21.59	11.49	2.60	–	8.89
PL–7	19.50	13.06	3.21	–	9.85
PL–8R	21.74	11.96	3.36	–	8.60
PL–9R	20.91	11.26	1.40	–	9.86
SP–1	12.00	14.07	5.30	–	8.77
SP–2	14.93	15.24	7.28	–	7.96
SP–3	16.39	14.66	5.91	–	8.75
TC–1	17.65	20.48	9.17	–	11.31
TC–2	14.93	19.57	8.05	–	11.52
TC–3	17.21	19.55	8.12	–	11.43
TM–1	20.62	22.36	9.47	–	12.89
TM–2	22.08	22.45	10.04	–	12.41
TM–3	20.95	22.50	10.14	–	12.36
TM–4	14.91	21.14	8.50	–	12.64
TM–5	22.09	18.47	7.46	–	11.01
TM–6R	20.04	14.06	4.90	–	9.16
TM–7	–	17.03	6.83	6.82	10.21
TF–1	12.09	10.82	3.03	–	7.79
TF–2	NM	10.13	NM	NM	NM
TF–3	11.79	10.73	2.66	–	8.07
TR–2R	–	14.66	0.00	–	14.66
TR–3R	NM	12.93	NM	NM	NM
TR–4R	NM	14.71	NM	NM	NM

NOTES:

1. AOC – AREA OF CONCERN
2. SWMU – SOLID WASTE MANAGEMENT UNIT
3. UST – UNDERGROUND STORAGE TANK
4. AST – ABOVCE GROUND STORAGE TANK
5. SOCONY/MOBILE LINE IS THE OLD COLONIAL LINE. THIS WAS A COLONIAL PIPELINE TIE IN FOR SOCONY MOBIL. IT WAS ABANDONED IN PLACE. IT WAS CAPPED OFF AT THE SOUTH DOCK. THE LINE UNDER ARTHUR KILL IS UNDER NITROGEN BLANKET.
6. AOC BORDERS WILL MODIFY IN ACCORDANCE WITH FIELD INVESTIGATION RESULTS
7. AOC 17 EXTENT UNKNOWN, BETTER DEFINED THROUGH INVESTIGATION
8. SURVEY DATA FOR NEWLY REPAIRED/INSTALLED WELLS PL–1R, TM–6R, AND PER–4 IS NOT AVAILABLE AT THE TIME OF SUBMITTAL. CONTOURS WILL BE ADJUSTED ACCORDINGLY UPON RECEIPT.

FIGURE 2

GROUNDWATER CONTOUR MAP
JUNE 26, 2012

HESS CORPORATION
750 CLIFF ROAD
PORT READING, NEW JERSEY

DRAWN BY: B.S.
DATE: 8/28/12
SCALE IN FEET: 0 150

EnviroTrac ENVIRONMENTAL SERVICES
400E CORPORATE COURT, So. PLAINFIELD NJ 07080
PHONE: (908)757–1900 FAX: (908)757–0017

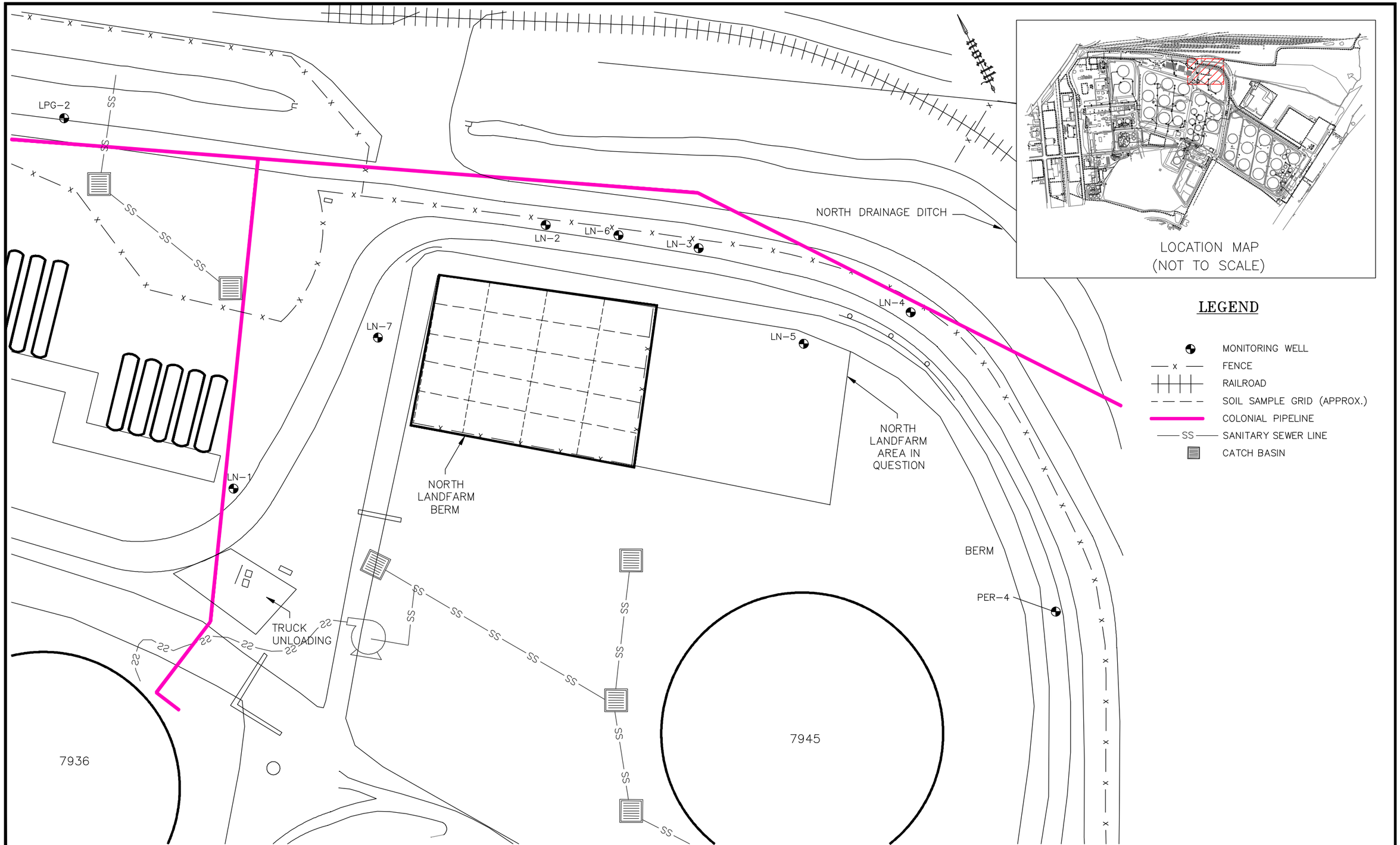
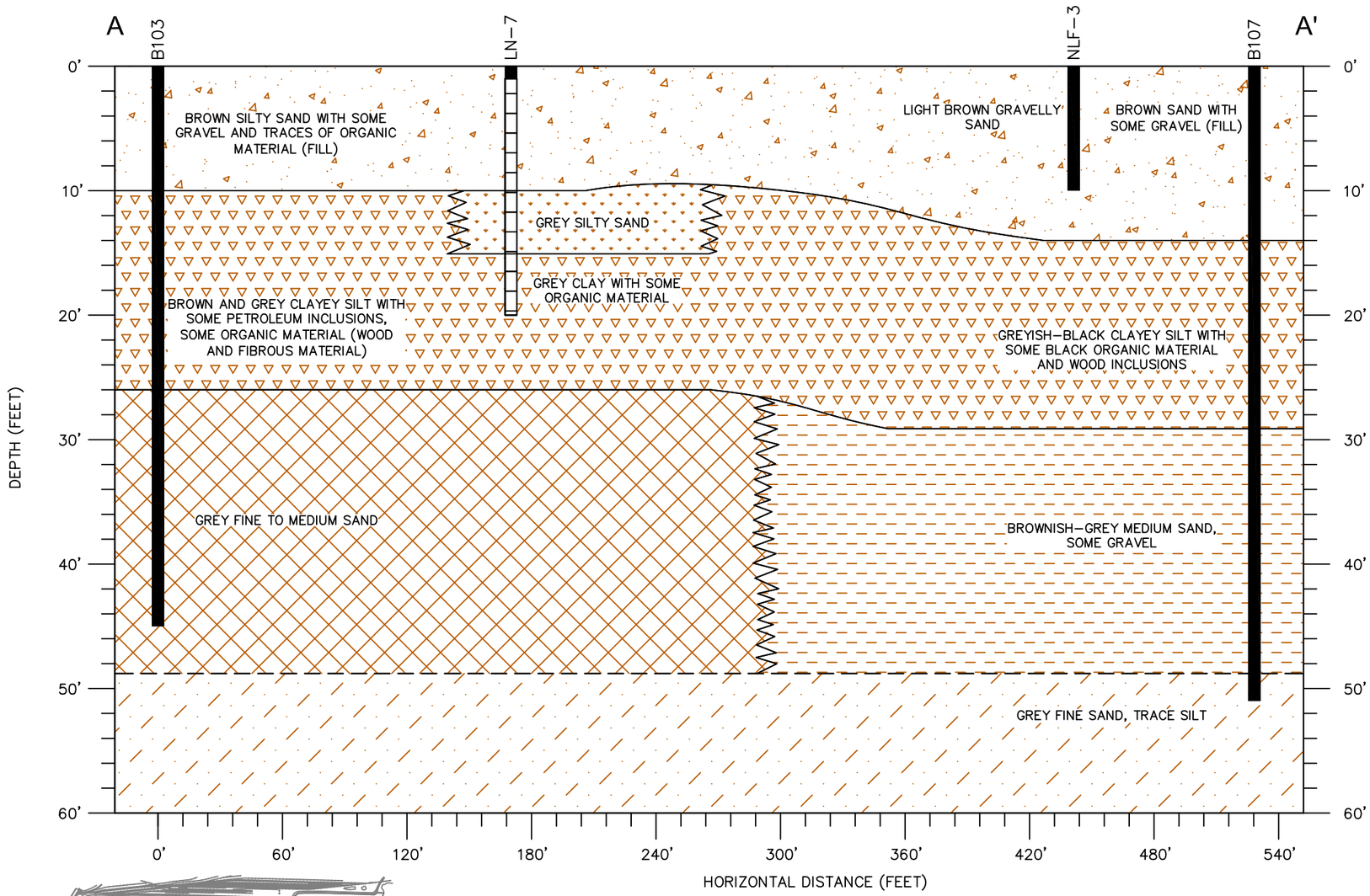
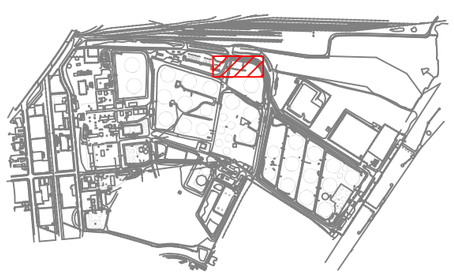


FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	SITE PLAN (NORTH LANDFARM)	0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
3		DRAWN BY: B.S. / REVISION DATE: 12/5/11		

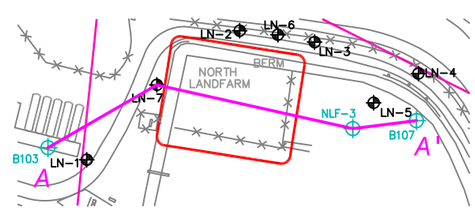


LEGEND:

- = WELL CASING
- = SCREENED INTERVAL
- = SOIL BORING
- — — — — LITHIOLOGIC CONTACT INFERRED



LOCATION MAP (NOT TO SCALE)



CROSS SECTION LOCATION (1" = 200')

BORING LOG SOURCE:

B103 AND B107 – DAMES AND MOORE – COMPLETED JULY 1968

NLF3 – ENVIROTRAC – COMPLETED OCTOBER 2009

LN7 – ENVIROTRAC – COMPLETED OCTOBER 2010

FIGURE #				
4	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	CROSS SECTION AOC 1 (NORTH LANDFARM)	VERTICAL SCALE: 1 INCH = 10 FEET HORIZONTAL SCALE: 1 INCH = 60 FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
		DRAWN BY: J.M. / REVISION DATE: 10/15/12		

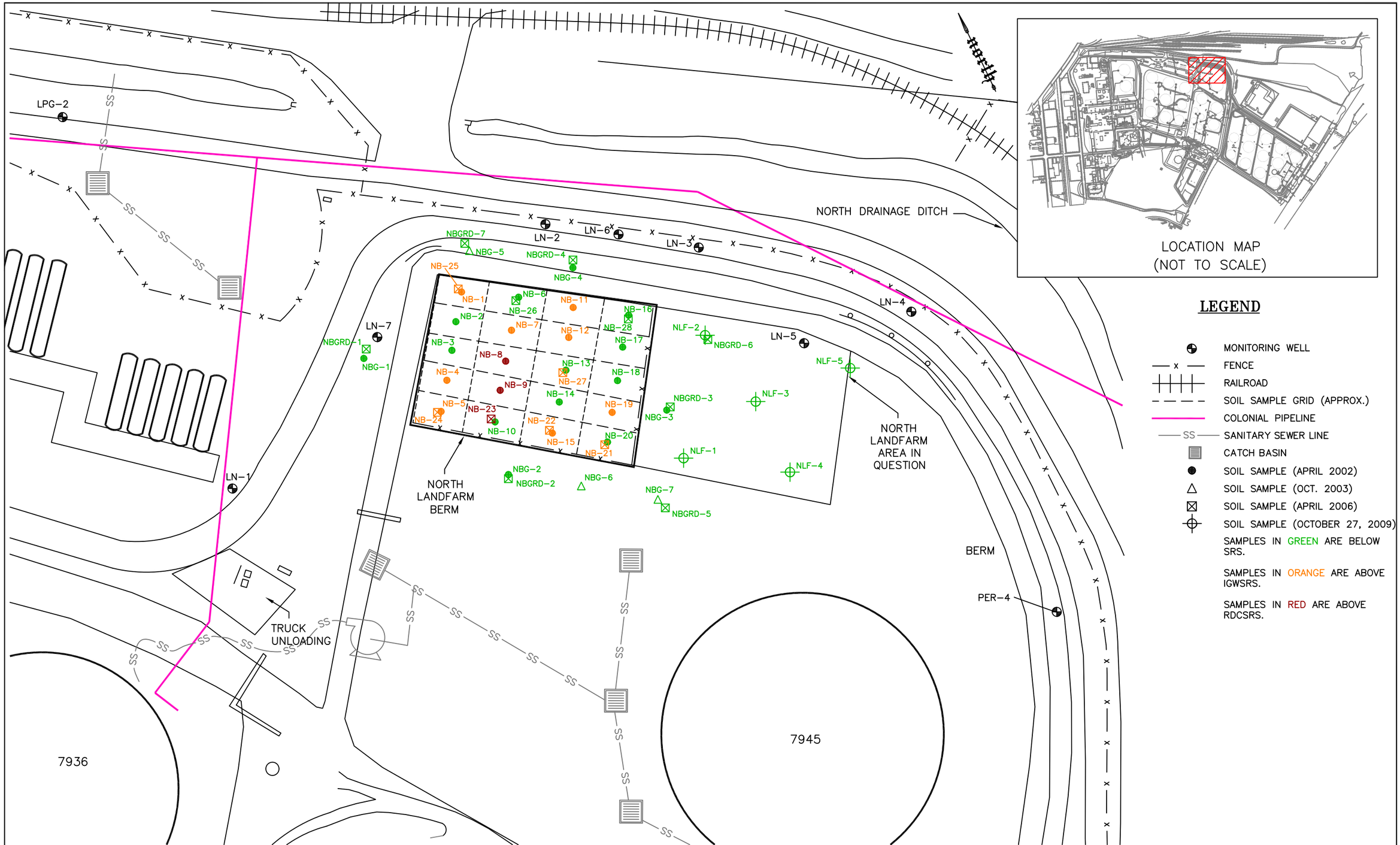
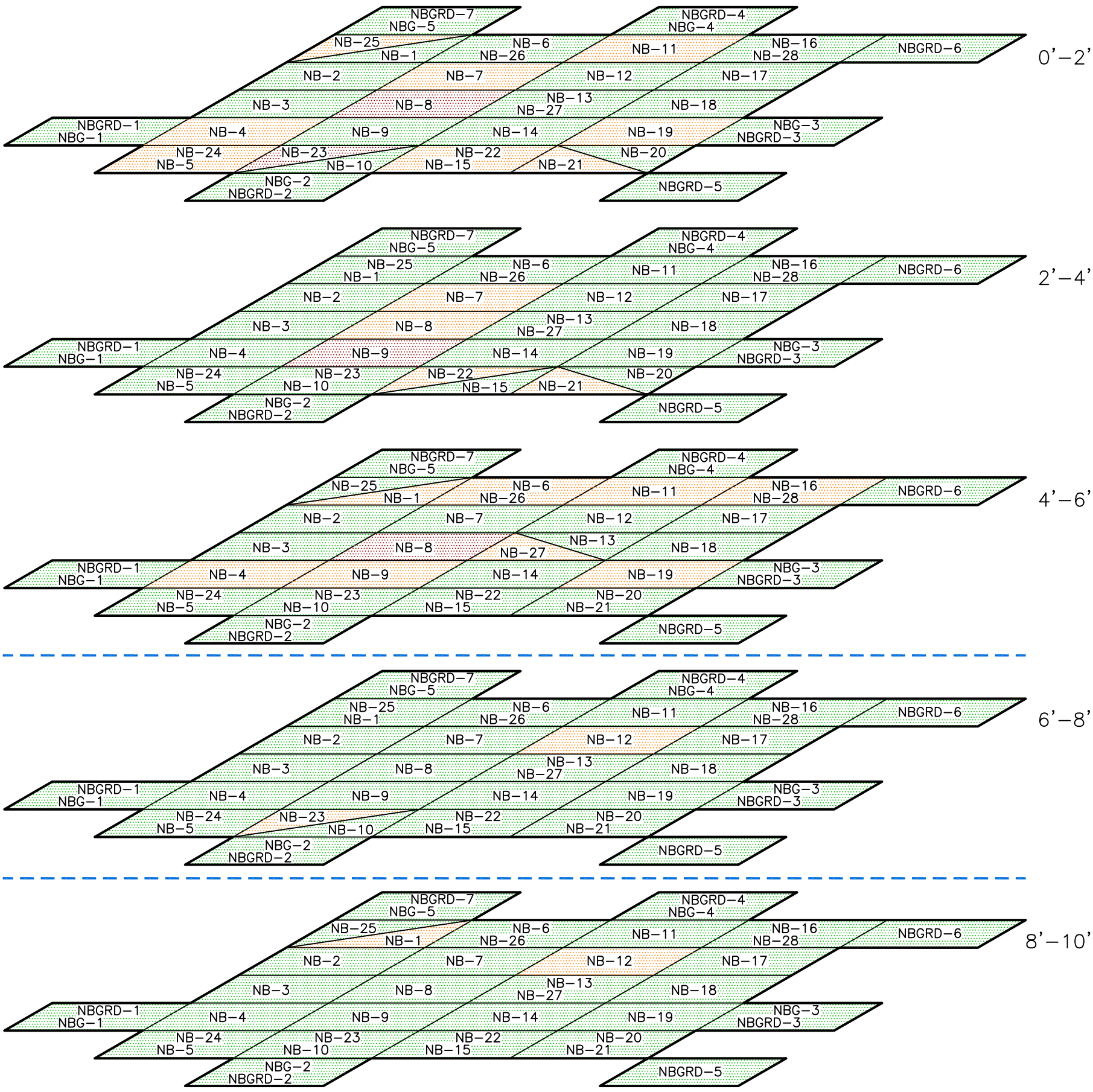
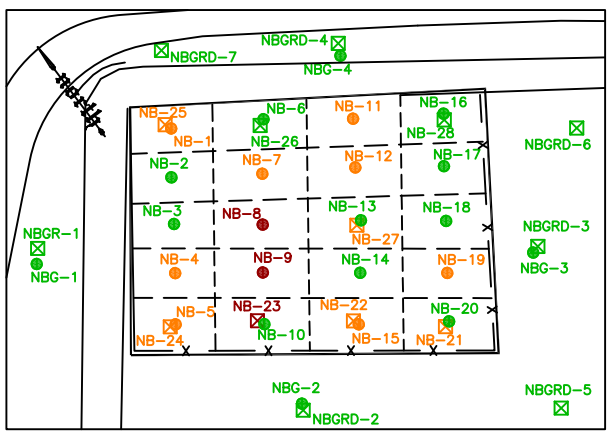


FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY		AOC 1 – SOIL SAMPLE LOCATION MAP		0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
5			DRAWN BY: B.S.	REVISION DATE: 10/16/12		





LEGEND:

- RESULT BELOW SRS
- RESULT ABOVE IGWSRS
- RESULT ABOVE RDCSRS
- OBSERVED GROUNDWATER DEPTH VARIATIONS (DEPTH RANGES FROM APPROXIMATELY 5.5–8.0ft)

NOTES:

FIGURE IS NOT TO SCALE

FIGURE #	CROSS SECTION HISTORICAL SOIL SAMPLING MAP HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	REVISION DATE: 10/15/12 DRAWN BY: J.M.	EnviroTrac ENVIRONMENTAL SERVICES 3 TERRI LANE, SUITE #8, BURLINGTON, NJ 08016 PHONE: (609)387–5553 FAX: (609)387–5533
6			

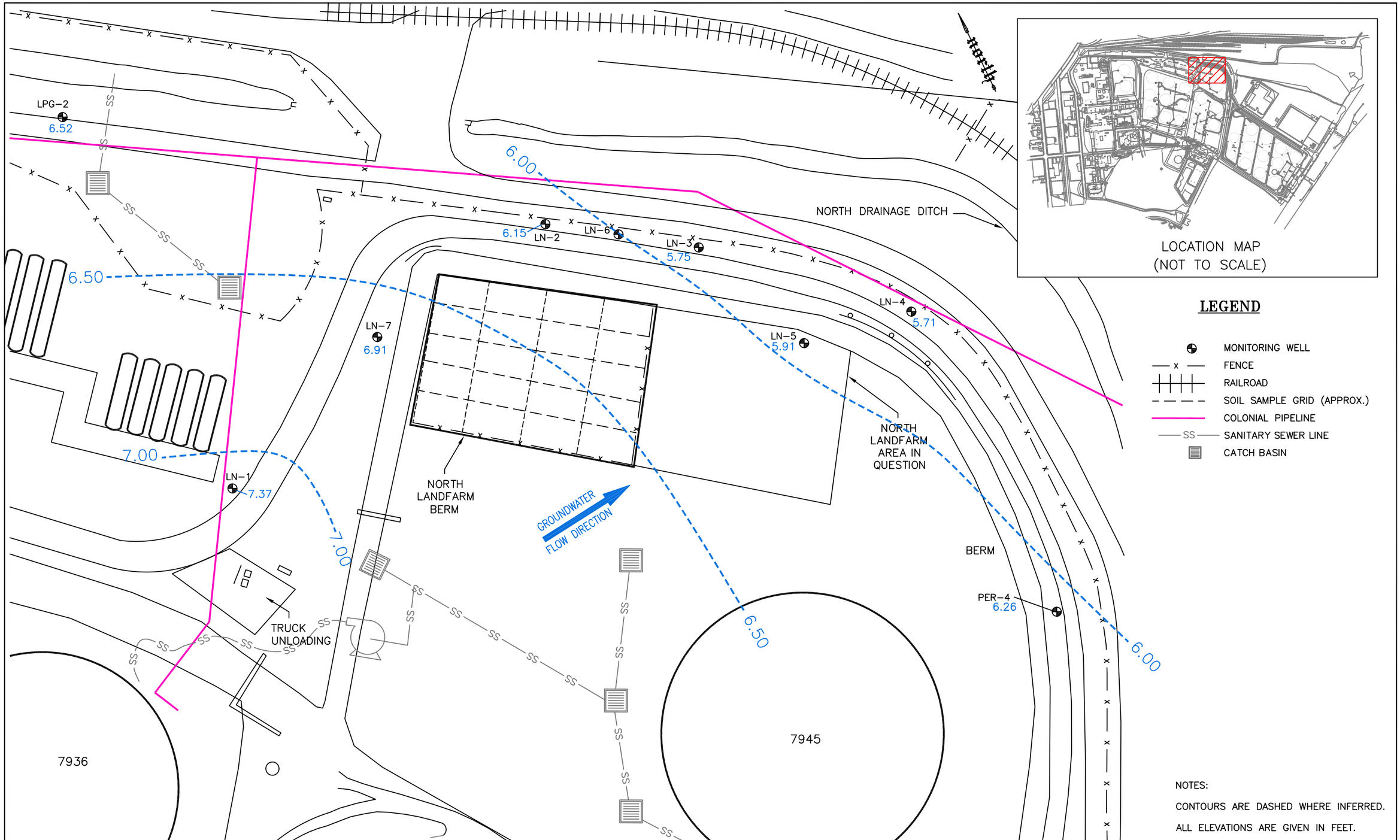


FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY		GROUNDWATER CONTOUR MAP (NORTH LANDFARM) JANUARY 19, 2011		0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
7			DRAWN BY: B.S.	REVISION DATE: 10/16/12		

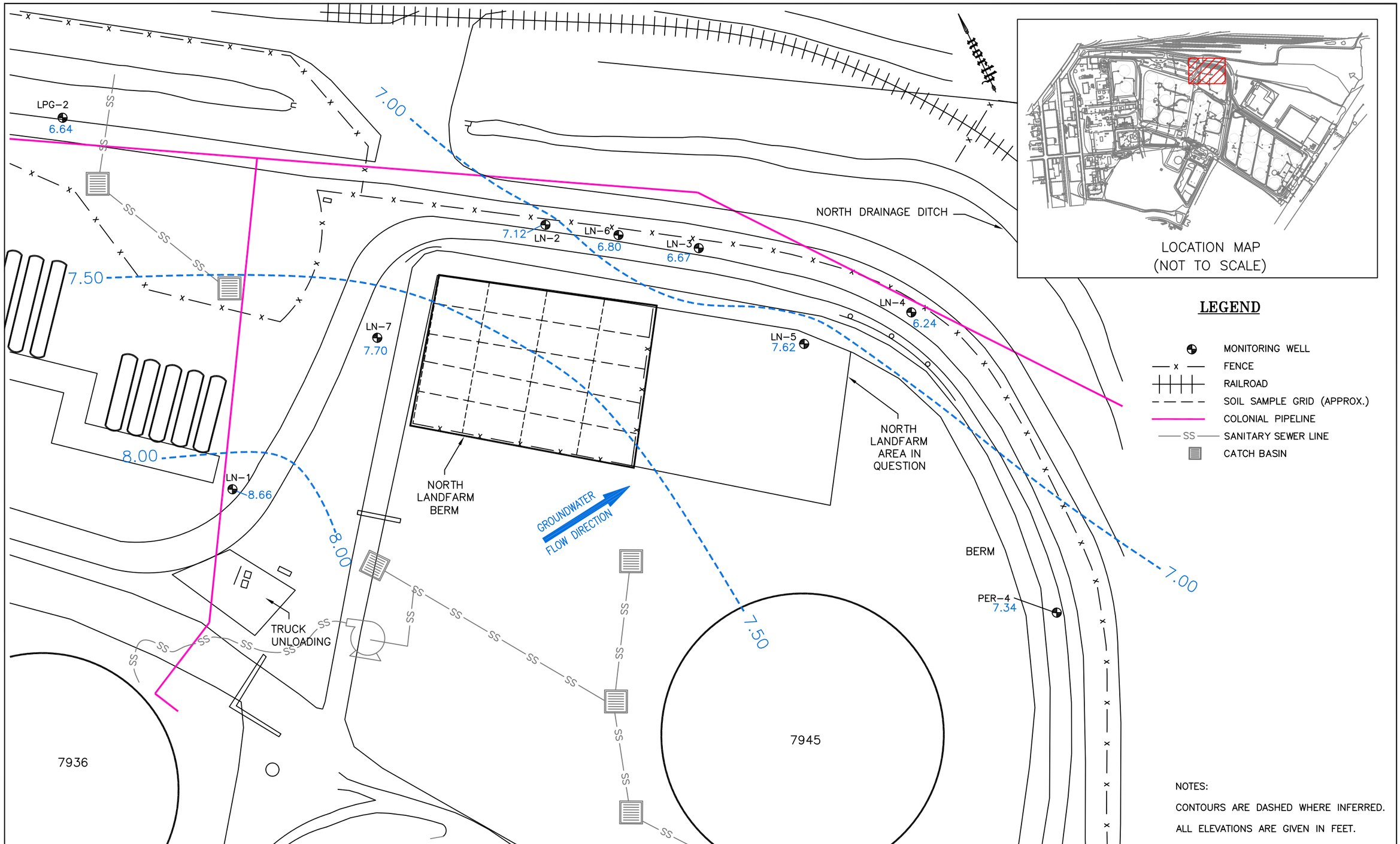
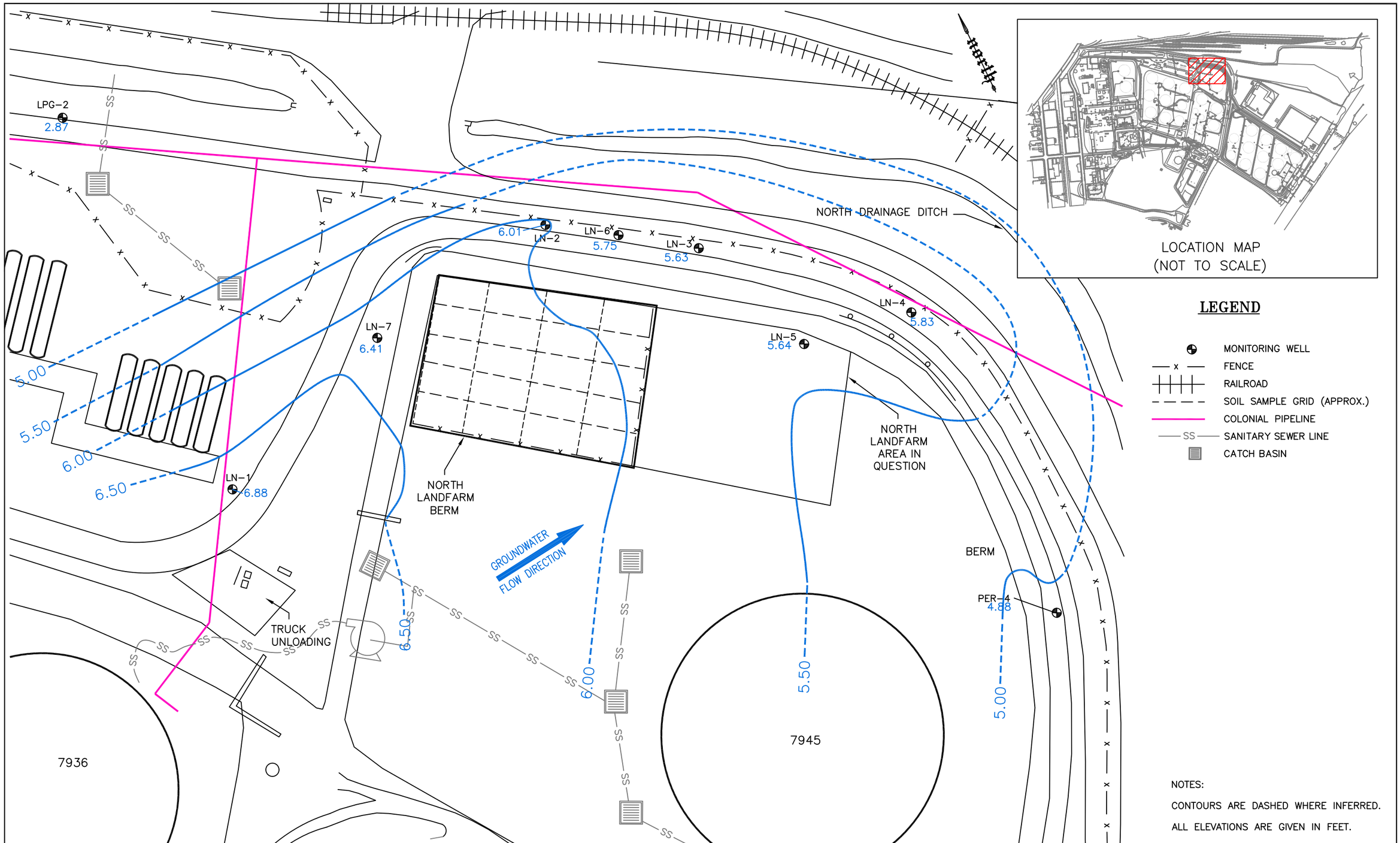


FIGURE #				
8	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	HESS	GROUNDWATER CONTOUR MAP (NORTH LANDFARM) APRIL 20, 2011	0 60 SCALE IN FEET
			DRAWN BY: B.S. / REVISION DATE: 10/16/12	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017

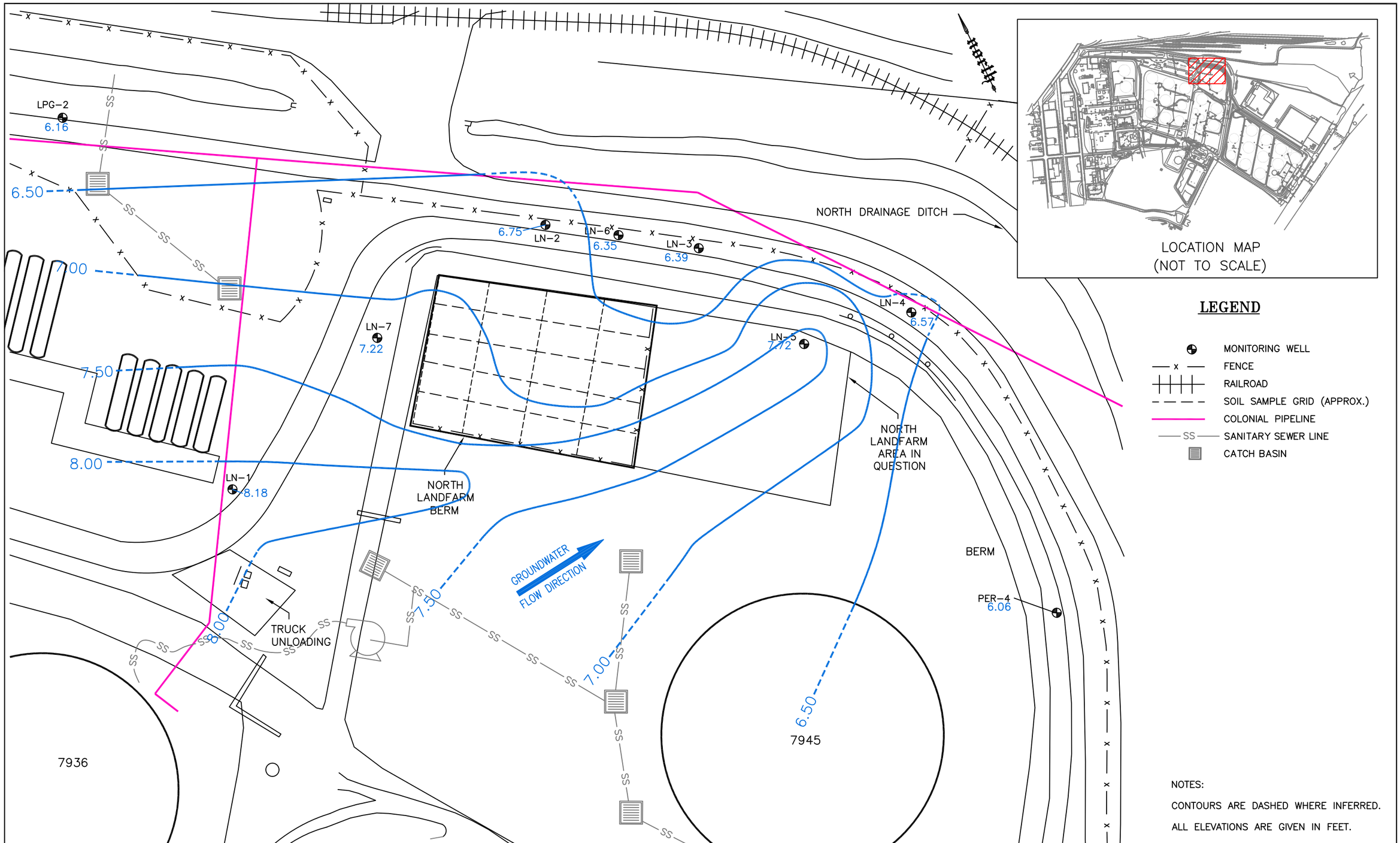


NOTES:

CONTOURS ARE DASHED WHERE INFERRED.

ALL ELEVATIONS ARE GIVEN IN FEET.

FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	HESS	GROUNDWATER CONTOUR MAP (NORTH LANDFARM) JULY 21, 2011	0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
9			DRAWN BY: B.S. / REVISION DATE: 10/16/12		

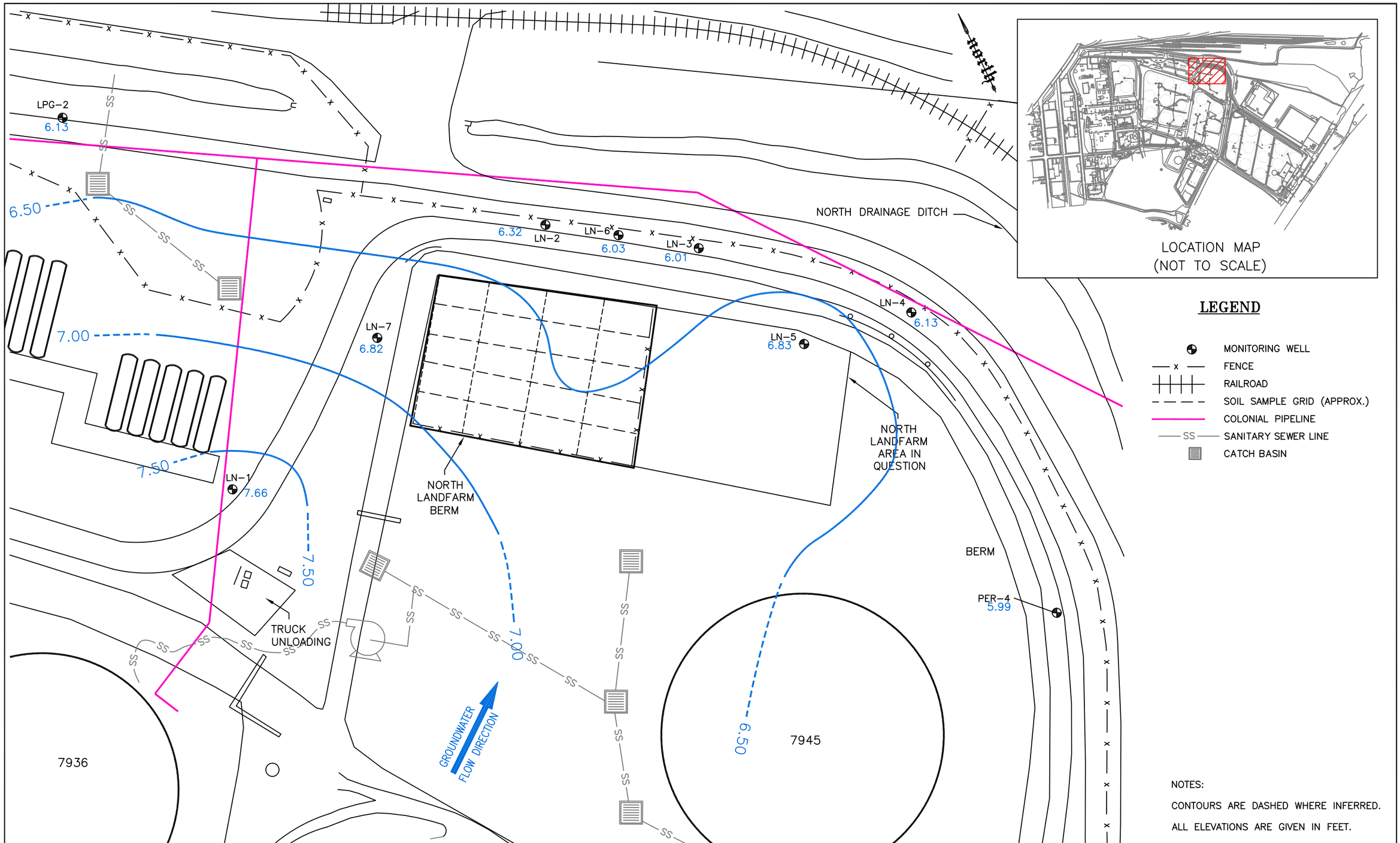


NOTES:

CONTOURS ARE DASHED WHERE INFERRED.

ALL ELEVATIONS ARE GIVEN IN FEET.

FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY		GROUNDWATER CONTOUR MAP (NORTH LANDFARM) OCTOBER 20, 2011	0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
10			DRAWN BY: B.S. / REVISION DATE: 10/16/12		



NOTES:

CONTOURS ARE DASHED WHERE INFERRED.

ALL ELEVATIONS ARE GIVEN IN FEET.

FIGURE #	HESS CORPORATION 750 CLIFF ROAD PORT READING, NEW JERSEY	HESS	GROUNDWATER CONTOUR MAP (NORTH LANDFARM) JANUARY 18, 2012	0 60 SCALE IN FEET	EnviroTrac ENVIRONMENTAL SERVICES 400E CORPORATE COURT, So. PLAINFIELD NJ 07080 PHONE: (908)757-1900 FAX: (908)757-0017
11			DRAWN BY: B.S. / REVISION DATE: 10/16/12		

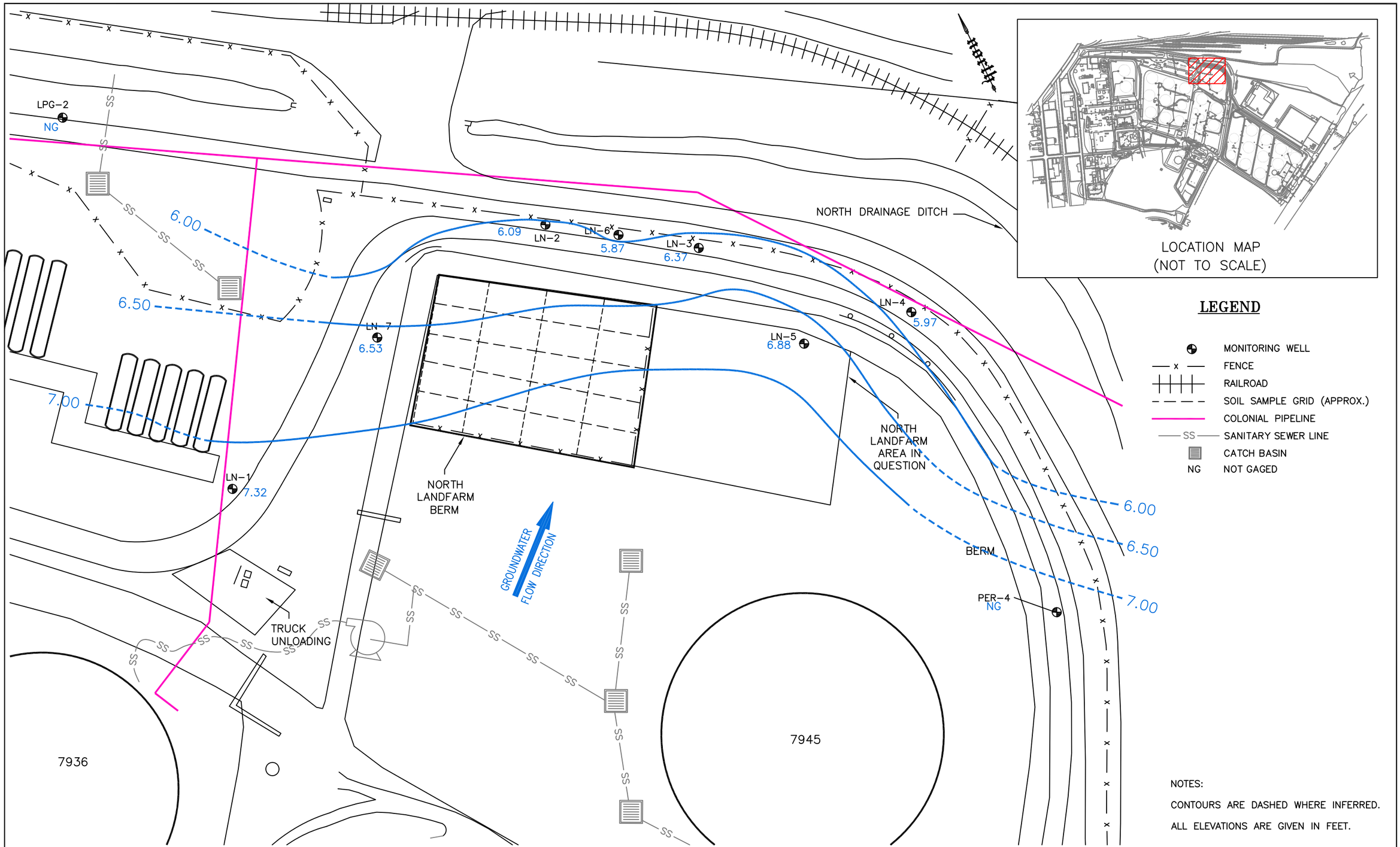


FIGURE # 12

HESS CORPORATION
750 CLIFF ROAD
PORT READING, NEW JERSEY

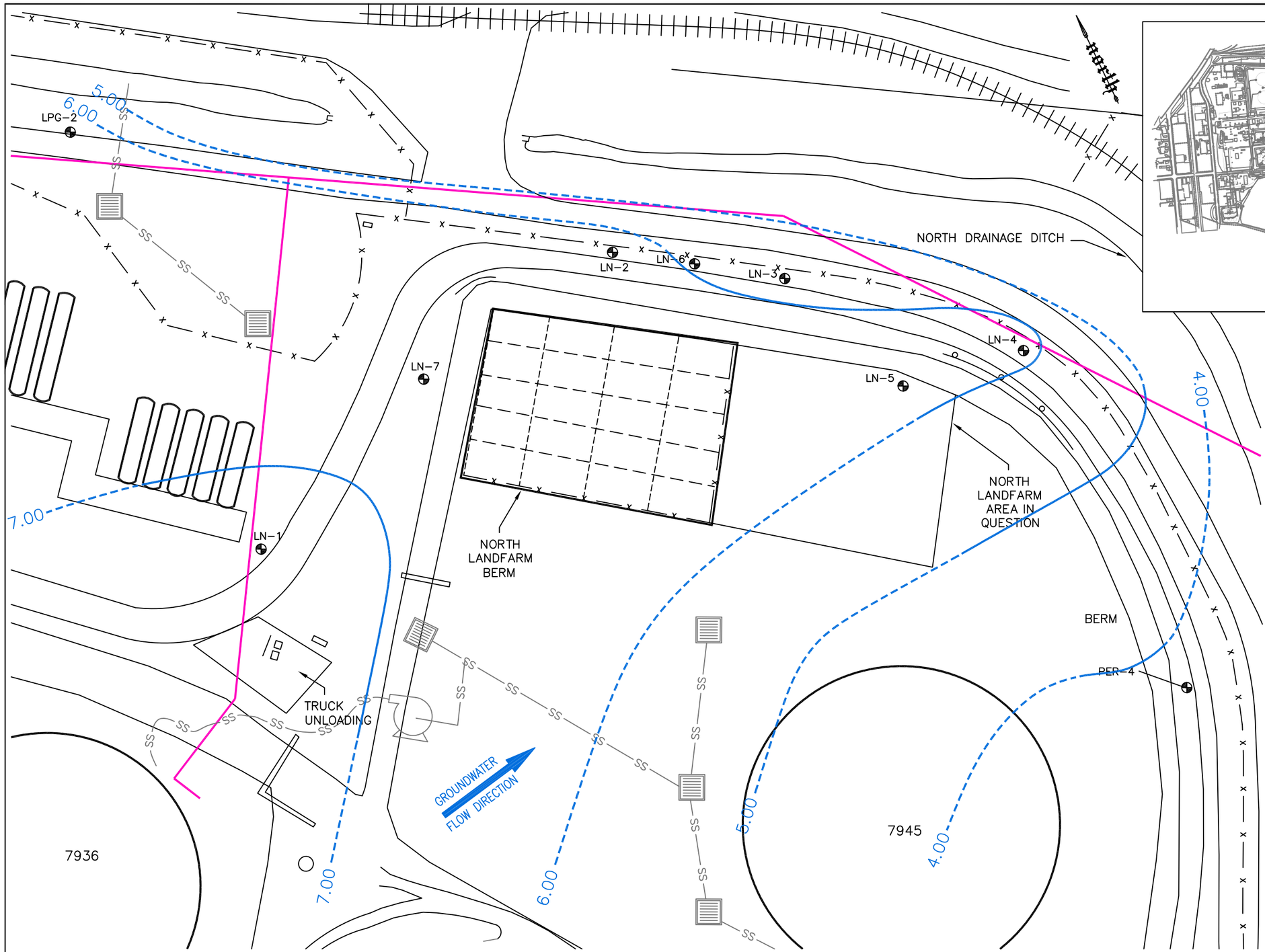
GROUNDWATER CONTOUR MAP (NORTH LANDFARM)
APRIL 27, 2012

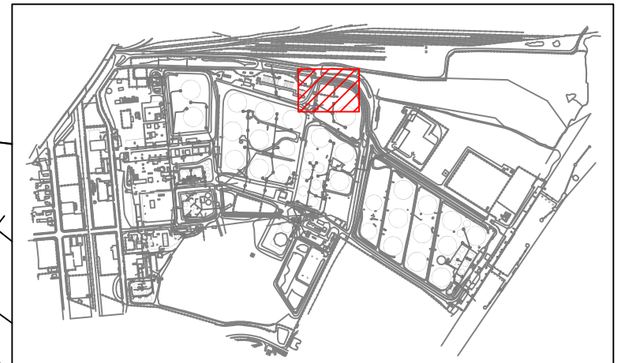
DRAWN BY: B.S.

REVISION DATE: 10/16/12

0 60
SCALE IN FEET

EnviroTrac
ENVIRONMENTAL SERVICES
400E CORPORATE COURT, So. PLAINFIELD NJ 07080
PHONE: (908)757-1900 FAX: (908)757-0017





LOCATION MAP
(NOT TO SCALE)

LEGEND

⊕	MONITORING WELL
— x —	FENCE
╫╫╫	RAILROAD
- - - -	SOIL SAMPLE GRID (APPROX.)
═══	COLONIAL PIPELINE
— SS —	SANITARY SEWER LINE
▦	CATCH BASIN
TOC	TOP OF CASING ELEVATION (feet)
DTW	DEPTH TO WATER (feet)
GW EL	CORRECTED GROUNDWATER ELEVATION (feet)

WELL	TOC	DTW	GW EL
LN1	12.19	4.90	7.29
LN2	12.21	6.00	6.21
LN3	11.34	5.42	5.92
LN4	13.55	7.45	6.10
LN5	12.85	6.67	6.18
LN6	14.56	8.60	5.96
LN7	15.75	9.12	6.63
LPG-2	9.30	3.00	6.30
PER-4	10.23	6.66	3.57

NOTES:

CONTOURS ARE DASHED WHERE INFERRED.

ALL ELEVATIONS ARE GIVEN IN FEET.

FIGURE # 13

HESS CORPORATION
750 CLIFF ROAD
PORT READING, NEW JERSEY

GROUNDWATER CONTOUR MAP (NORTH LANDFARM)
JULY 24, 2012

DRAWN BY: B.S.

REVISION DATE: 10/15/12

0 60
SCALE IN FEET

EnviroTrac
ENVIRONMENTAL SERVICES
400E CORPORATE COURT, So. PLAINFIELD NJ 07080
PHONE: (908)757-1900 FAX: (908)757-0017

TABLES

1. Well Construction Summary Table
2. Historical Soil Sampling Summary Table
3. Current Soil Investigation Summary Table
4. Groundwater Sampling Summary- Volatiles
5. Groundwater Sampling Summary- Metals
6. Groundwater Sampling Summary- General Chemistry

EnviroTrac

Table 1
North Landfarm Well Construction Table
Hess- Corporation - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Well #	LN-1	LN-2	LN-3	LN-4	LN-5	LN-6	LN-7	LPG-2	PER-4
Well Permit	26-08130-0	26-07562-8	26-07563-6	26-08131-1	E201013003	E201013004	E201013005	26-6394-1	26-6393-4
Total Depth	13.57	11.57	13.25	14.19	16.64	16.76	16.80	9.64	14.10
Well Diameter (inches)	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Top of Casing Elevation	12.19	12.21	11.34	13.10	12.85	14.56	15.75	9.30	12.78
Ground Elevation	10.32	10.42	10.44	11.24	IU	IU	IU	IU	IU
Depth of Well Screen	4.98	7.00	5.25	4.00	4.00	4.00	4.00	3.00	3.69

Notes:
1) Unless otherwise designated, all measurments in feet.
2) IU - Information Unknown

Table 2
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Historic Soil Sampling Summary Table

Sample Location	Sample Date	Sample Depth (ft)	Benzene	Toluene	Ethylbenzene	Xylene	Chlorobenzene	Total TPHC	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Cation Exchange Capacity (meq/100g)	Oil & Greese	Phenols	Solids %	pH (su)
NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NB-1	April 24-26, 2002	0-2	ND	ND	0.613	0.329	ND	21900	0.7	241	245	281	71.9	441	10.8	38,100	<14	89.1	5.99
		2-4	ND	ND	2.32	1.07	ND	29700	0.85	64.3	93.1	93.1	46.9	204	24.1	2,570	<19	65.2	6.61
		4-6	**0.134**	0.111	5.66	4.27	ND	3940	<0.60	68.8	72.4	72.4	81.3	126	11.7	11,500	<14	87	6.6
		6-8	ND	ND	ND	ND	ND	73.3	<0.58	12.3	9.2	9.2	9	29.2	2.9	<500	<14	86.6	6.23
		8-10	**0.14**	ND	0.509	0.367	ND	785	<0.62	39.2	46.3	46.3	16.1	78.7	4.9	2,800	<15	84.1	6.91
NB-2	April 24-26, 2002	0-2	ND	ND	0.911	0.528	ND	18900	0.69	286	282	285	68.7	429	9.6	31,900	<14	87	6.27
		2-4	ND	ND	0.278	ND	ND	4090	<0.55	64.2	79.4	74.2	19.3	118	5.3	6,490	<14	90.6	5.61
		4-6	ND	ND	4.18	6.18	ND	2830	<0.55	55.8	69.1	68.6	17.7	107	5.1	6,140	<13	91.7	5.43
		6-8	ND	ND	ND	ND	ND	81.2	0.84	23.5	186	24.7	23.9	74.5	12	<500	<15	79.3	5.5
		8-10	ND	ND	ND	ND	ND	1800	1.4	63.3	75.2	131	20.3	111	10	4,240	<14	85	6.24
NB-3	April 24-26, 2002	0-2	ND	ND	ND	0.296	ND	6700	2.9	291	293	301	79.6	411	8.4	18,200	<14	89.7	5.12
		2-4	ND	ND	4.53	7.15	ND	16100	1	95.6	84.6	110	25.2	173	4.7	25,600	<13	93.2	6.91
		4-6	ND	ND	3.64	3.63	ND	7150	0.84	66.6	62.1	63.6	18.7	110	4.1	7,970	<13	96.6	6.52
		6-8	ND	ND	ND	ND	ND	Unknown	0.57	25.2	10.6	5.3	7.4	32.3	3	<500	<13	91.5	5.55
		8-10	ND	ND	ND	ND	ND	55	<0.56	8.5	7.5	3.7	6.8	22.5	2.8	<500	<14	89	6.29
NB-4	April 24-26, 2002	0-2	ND	ND	**15.2**	**16.6**	ND	23700	0.55	291	322	341	99.9	590	9	47,700	<14	90.8	6.21
		2-4	ND	ND	1.16	0.574	ND	5840	<0.68	51	84.9	75.7	21.4	106	32.2	5,160	<18	71	5.6
		4-6	ND	ND	**12.5**	11.5	ND	6620	<0.54	97.7	85.5	87.9	25.7	154	4.5	9,890	<14	92	5.48
		6-8	ND	ND	ND	ND	ND	ND	<0.52	8.3	6.6	2.7	5.9	21.9	3.9	<500	<13	93.5	5.12
		8-10	ND	ND	ND	ND	ND	1530	<0.53	34.5	33.5	27.4	13.5	77.3	4	3,720	<14	90.3	6.22
NB-5	April 24-26, 2002	0-2	ND	ND	**14.2**	10.2	ND	4070	<0.56	280	278	307	67.5	448	3.6	38,800	<14	88.7	6.51
		2-4	ND	ND	0.157	ND	ND	2420	<0.51	14.2	13.9	13.1	7.6	26.4	3.1	4,760	<13	96.8	5.87
		4-6	ND	ND	0.497	ND	ND	5230	<0.54	86	84.3	86.7	22.6	154	5	15,700	<13	93.2	7.99
		6-8	ND	ND	ND	ND	ND	86.2	<0.60	13.6	24.5	7.2	7.7	54.4	6.4	<500	<15	82.3	6.56
		8-10	ND	ND	ND	ND	ND	2070	<0.54	28.8	28.3	24.5	12	80	5.5	2,650	<14	85.9	6.84
NB-6	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	25600	<0.65	277	262	301	59.7	442	11.1	34,100	<15	82.3	6.47
		2-4	ND	ND	0.262	ND	ND	3610	<0.56	74.2	87.7	136	23.8	109	19.7	5,000	<15	83.3	6.87
		4-6	ND	ND	ND	ND	ND	343	0.85	92.8	134	112	37.8	224	34.6	509	4.2	62.8	5.34
		6-8	ND	ND	ND	ND	ND	297	<0.53	15.6	17.9	19.1	9.7	31.1	5	<500	<2.8	89.3	5.54
		8-10	ND	ND	ND	ND	ND	74.5	<0.62	14.5	18	13.6	11.7	37.6	3.2	<500	<15	82.1	6.59
NB-7	April 24-26, 2002	0-2	ND	ND	**17.2**	5.11	ND	14800	0.78	238	349	273	58.6	478	10.8	29,200	**16.5**	85.4	6.46
		2-4	**0.355**	0.0921	**8.96**	**14.1**	ND	4970	<0.60	30.4	42.8	29.5	23.8	83.7	12.9	8,260	<13	86.4	6.9
		4-6	ND	ND	ND	ND	ND	5480	<0.78	138	169	178	45.8	295	16.3	7,680	<17	70.8	7.03
		6-8	ND	ND	ND	ND	ND	56.5	<1.1	38.8	18.6	16.7	26.6	80	39.9	584	<23	52.4	7.79
		8-10	ND	ND	ND	ND	ND	958	<1.0	46.6	48.2	38.3	27.6	97.5	35.9	1,060	<23	53.7	7.66

Table 2
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Historic Soil Sampling Summary Table

Sample Location	Sample Date	Sample Depth (ft)	Benzene	Toluene	Ethylbenzene	Xylene	Chlorobenzene	Total TPHC	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Cation Exchange Capacity (meq/100g)	Oil & Greese	Phenols	Solids %	pH (su)
NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NB-8	April 24-26, 2002	0-2	**3.88**	0.528	**51.5**	**20.6**	ND	24300	1.1	323	378	397	83.3	671	12.5	41,600	<14	87.2	7.34
		2-4	**0.542**	0.115	**14.3**	**20**	ND	20900	<0.56	255	246	**430**	59.4	490	6.1	43,700	<14	89.7	7.3
		4-6	**2.96**	3.86	**32.2**	**30.5**	ND	9740	<0.53	109	124	141	34.2	289	5.4	47,500	<13	93.8	7.38
		6-8	ND	ND	ND	ND	ND	35.2	<0.55	7	10	3.8	6.1	18.5	3.6	<500	<13	90.4	5.85
		8-10	ND	ND	ND	ND	ND	ND	<0.58	9.5	8.9	3.7	9.2	25.9	2.7	<500	<14	85.7	6.07
NB-9	April 24-26, 2002	0-2	ND	ND	7.08	5.49	ND	28700	<0.56	305	307	381	73.6	540	10.8	42,500	<14	88.9	6.42
		2-4	**3.05**	ND	**51.2**	**52.9**	ND	12700	<0.61	113	169	146	46.1	498	37.8	17,800	<16	76.3	6.87
		4-6	ND	ND	**20.8**	**25.4**	ND	5.28	<0.61	204	259	302	86.6	488	15.1	27,600	<16	78.5	7.22
		6-8	ND	ND	ND	ND	ND	ND	<0.54	10.1	12.5	10.5	7.5	25	3.9	<500	<14	89.1	6.72
		8-10	ND	ND	ND	ND	ND	509	<0.60	13.3	11.1	9.2	7.7	27.4	3.1	541	<14	85.2	6.25
NB-10	April 24-26, 2002	0-2	ND	ND	2.36	ND	ND	14300	<0.56	229	230	236	61.9	361	9.4	32,200	<14	88.2	6.59
		2-4	ND	ND	0.466	0.54	ND	4420	<0.55	48.1	53.8	43.4	18.8	109	3.9	7,240	<13	94.7	6.91
		4-6	ND	ND	ND	ND	ND	4760	<0.58	57.4	48.9	61.2	22.1	94.3	4.6	6,590	<14	90.1	7.11
		6-8	ND	ND	ND	ND	ND	37.8	<0.57	11.5	11.7	6.5	7.3	20.2	5.4	<500	<14	88.9	5.44
		8-10	ND	ND	ND	ND	ND	1380	<0.53	22	26.5	16	9	35.2	3.9	2,710	<14	89.7	7.71
NB-11	April 24-26, 2002	0-2	**0.0938**	ND	2.09	0.47	ND	25100	<0.60	9.7	10.8	6	9	24.6	13	30,300	<15	80.4	6.62
		2-4	ND	ND	0.534	ND	ND	462	<0.60	220	225	280	62	462	15.1	<500	<15	83.2	5.58
		4-6	**0.181**	ND	6.88	0.379	ND	3380	<0.60	18.6	31.4	21.3	14.3	57.5	13.1	6,330	<15	83.5	5.76
		6-8	ND	ND	ND	ND	ND	42.9	<0.63	8.2	8.3	4.7	6.4	19.1	4.5	1,160	<14	87.8	5.9
		8-10	ND	ND	ND	ND	ND	286	<0.55	16.6	16	16.9	9.8	34.9	4.3	942	<15	85.8	6.31
NB-12	April 24-26, 2002	0-2	ND	ND	1.78	ND	ND	17000	<0.69	231	199	285	54.8	365	11.4	43,300	<15	80.7	5.8
		2-4	ND	ND	2.34	0.571	ND	13200	<0.62	97.5	110	138	31.3	176	8.5	14,800	<14	86.3	6.55
		4-6	ND	ND	1.75	0.76	ND	3020	<0.57	53.6	62.6	67.9	18.2	95.3	5	9,690	<14	87.4	6.44
		6-8	ND	ND	**8.04**	Unknown	ND	2420	0.83	48.1	163	91.7	22.1	134	26.5	3,070	<16	69.3	7.48
		8-10	**0.868**	ND	**23**	7.21	ND	2000	2.2	95.9	362	219	36	280	41	3,120	<22	56.2	7.71
NB-13	April 24-26, 2002	0-2	ND	ND	2.68	0.352	ND	12900	0.65	265	269	320	77.2	500	13.3	22,200	<14	86.5	6.15
		2-4	ND	ND	ND	ND	ND	ND	<0.53	10	11.3	10	7.7	23.1	8.2	<500	<13	94.3	5.81
		4-6	ND	ND	0.176	ND	ND	7690	<0.58	83	76.9	86.6	22	129	8.7	20,700	<14	86.8	6.3
		6-8	ND	ND	ND	ND	ND	241	<0.54	19.7	13.7	7	12.2	39.7	3.3	573	<14	90.9	6.62
		8-10	ND	ND	ND	ND	ND	3200	<0.55	44.7	30.1	25.4	12.6	60	7.7	1,260	<14	89.9	6.66
NB-14	April 24-26, 2002	0-2	ND	ND	3.79	ND	ND	29200	<0.52	304	269	299	70.5	448	4.3	51,600	<13	89.6	8.65
		2-4	ND	ND	6.89	4.54	ND	5440	<0.53	49.9	44.8	51	15.6	124	4.1	10,300	<13	92.4	7.31
		4-6	ND	ND	ND	ND	ND	7330	<0.58	107	101	119	26.3	210	10.7	22,300	<14	85.5	6.83
		6-8	ND	ND	ND	ND	ND	ND	<0.54	26.2	54.1	43.8	19.2	91.5	16.3	1,010	<19	64.8	7.45
		8-10	ND	ND	0.821	0.591	ND	2180	<0.64	36	50.5	45.4	14.5	75.5	11.4	3,010	<15	79.1	7.07

Table 2
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Historic Soil Sampling Summary Table

Sample Location	Sample Date	Sample Depth (ft)	Benzene	Toluene	Ethylbenzene	Xylene	Chlorobenzene	Total TPHC	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Cation Exchange Capacity (meq/100g)	Oil & Greese	Phenols	Solids %	pH (su)
NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NB-15	April 24-26, 2002	0-2	ND	ND	**14.5**	**23.3**	ND	23100	<0.60	296	248	281	65.5	446	10	42,700	<14	89.8	6.98
		2-4	ND	ND	5.08	8.86	ND	17100	<0.74	184	190	187	74.9	291	19.7	30,600	<17	73.7	7.52
		4-6	ND	ND	ND	ND	ND	3260	<0.57	48.9	48.8	49.8	17.9	97.3	5.4	<500	<14	90.3	7.37
		6-8	ND	ND	ND	ND	ND	45.8	<0.62	8.1	12.6	6.6	7.1	24.1	4.1	<500	<14	86.8	6.68
		8-10	ND	ND	ND	ND	ND	53.6	<0.59	10	8.8	5.7	6.7	21.2	2.1	10,300	<15	82.7	5.99
NB-16	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	2150	<0.58	71.5	69.8	70.9	33.2	153	10.7	7,680	<14	87.5	5.59
		2-4	ND	ND	ND	ND	ND	561	<0.50	29.8	32.6	29.8	10.1	57	4.5	1,120	<13	93	5.39
		4-6	ND	ND	ND	ND	ND	323	<0.56	18.2	16.3	9.9	8.8	36.5	4.9	656	<13	94.1	5.62
		6-8	ND	ND	ND	ND	ND	99.4	<0.55	7.6	11.2	4.7	6	16.7	2.5	<500	<14	87	5.51
		8-10	ND	ND	ND	ND	ND	79.1	<0.57	10.8	12.2	5.9	6.3	21.2	2.7	<500	<14	88.9	5.83
NB-17	April 24-26, 2002	0-2	ND	ND	0.641	0.382	ND	9220	<0.57	138	1147	142	36.1	228	8	18,300	<14	90.2	6.26
		2-4	ND	ND	ND	ND	ND	18.4	<0.55	11	6.6	5.3	6.4	20.3	3.1	<500	<13	93.1	5.12
		4-6	ND	ND	ND	ND	ND	1880	<0.53	42.8	34	29.1	14.7	62.2	4.3	5,540	<14	90	5.87
		6-8	ND	ND	ND	ND	ND	20.1	<0.53	9.2	7.2	3	6.3	25.1	3.5	561	<14	89.2	5.91
		8-10	ND	ND	ND	ND	ND	402	<0.60	21.1	17.1	14.1	9.5	36.6	2.8	739	<14	88.5	5.65
NB-18	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	5600	0.93	164	174	202	47.1	310	26.9	35,500	<16	78.8	6.99
		2-4	ND	ND	ND	ND	ND	88.9	<0.60	23.3	41	31.4	16.7	61.5	15.1	<500	<15	82.5	7.97
		4-6	ND	ND	0.903	0.734	ND	2210	<0.62	54.1	55.3	48.9	21.2	89	24.8	2,940	<13	80.7	7.54
		6-8	ND	ND	ND	ND	ND	ND	<0.57	8.9	7.2	2.4	7.1	20.3	3.2	<500	<14	86.7	6.63
		8-10	ND	ND	ND	ND	ND	ND	<0.56	11.3	7.5	3.2	9.3	28.1	3.4	<500	<13	89.4	6.3
NB-19	April 24-26, 2002	0-2	**0.156**	ND	2.21	1.09	ND	15600	<0.53	257	229	305	57.3	412	6.9	49,000	<14	90.4	7.31
		2-4	ND	ND	6	7.64	ND	7650	<0.55	47.6	43.4	43.3	12.3	91.5	3.5	8,620	<13	93.8	7.545
		4-6	ND	ND	**8.85**	9.92	ND	11300	1.2	151	126	134	36.5	227	7.8	16,800	<14	89.2	7.43
		6-8	ND	ND	ND	ND	ND	51.9	<0.62	19.5	36.8	17	16.3	73.6	5.2	<500	<15	81.9	5.24
		8-10	ND	ND	ND	ND	ND	511	1	40	122	76.1	24.9	127	27.5	<500	<19	66.9	6.59
NB-20	April 24-26, 2002	0-2	ND	ND	3.17	5.06	ND	29500	<0.54	292	225	344	53.9	427	8.6	44,300	<13	90.6	7.08
		2-4	ND	ND	ND	ND	ND	10200	<0.59	106	100	109	30.5	198	9.2	13,600	<14	89.9	7.81
		4-6	ND	ND	1.65	2.45	ND	8460	<0.58	60.1	77.3	58.3	23.1	117	17.6	13,700	<15	81.7	7.62
		6-8	ND	ND	ND	ND	ND	65.5	<0.59	11.4	9.4	5.4	8.3	22.4	3	<500	<13	90.1	6.22
		8-10	ND	ND	ND	ND	ND	20.3	<0.58	7.9	8.2	5	8.4	31.1	2.5	507	<14	87.3	5.75
NB-21	April 24-26, 2006	0-2	**1.73**	0.692	**15.1**	**26.8**	ND	NA	<0.55	177	140	165	63.2	256	NA	NA	ND	90.8	7.33
		2-4	**0.215**	ND	ND	0.0659	ND	NA	<0.58	15.1	20.4	8.4	15.8	40.2	NA	NA	ND	83.1	7.6
		4-6	ND	ND	ND	ND	ND	NA	<0.62	9.2	6.1	4.1	6.6	18	NA	NA	ND	83.3	5.97
		6-8	ND	ND	0.0496	0.079	ND	NA	<0.57	10.2	9.8	5.1	9.7	31.7	NA	NA	ND	86.5	5.77
		8-10	ND	ND	ND	ND	ND	NA	<0.57	12.6	9.9	5.6	10.5	32.1	NA	NA	ND	88.4	5.67

Table 2
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Historic Soil Sampling Summary Table

Sample Location	Sample Date	Sample Depth (ft)	Benzene	Toluene	Ethylbenzene	Xylene	Chlorobenzene	Total TPHC	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Cation Exchange Capacity (meq/100g)	Oil & Greese	Phenols	Solids %	pH (su)
NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NB-22	April 24-26, 2006	0-2	**0.147**	ND	0.277	0.381	ND	NA	<0.60	67.6	79.7	60.4	22.8	122	NA	NA	ND	84	7.67
		2-4	**1.19**	ND	**15.9**	**20.9**	ND	NA	2.2	288	264	292	62.2	469	NA	NA	ND	90.1	7.21
		4-6	ND	ND	ND	ND	ND	NA	<0.58	10.6	13.1	5.6	10.4	28	NA	NA	ND	87.7	7.08
		6-8	ND	ND	ND	ND	ND	NA	<0.57	7.9	11.3	5.7	7.7	22.6	NA	NA	ND	86.4	5.36
		8-10	ND	ND	ND	ND	ND	NA	<0.57	11.3	10.9	5.2	9	27.6	NA	NA	ND	86.3	5.93
NB-23	April 24-26, 2006	0-2	ND	ND	**20.1**	**17.8**	ND	NA	2.1	341	397	**774**	113	617	NA	NA	ND	89.1	6.53
		2-4	ND	ND	0.0359	0.0337	ND	NA	<0.51	9.6	10.7	5.4	6.2	20.6	NA	NA	ND	94.9	6.88
		4-6	ND	ND	ND	ND	ND	NA	<0.57	42	45.7	41.6	15.4	77.8	NA	NA	ND	86.4	6.63
		6-8	**0.0437**	0.0556	2.26	2.13	ND	NA	<0.57	14.3	11.8	7.4	7.1	19.9	NA	NA	ND	89.1	5.83
		8-10	ND	ND	ND	ND	ND	NA	<0.58	17.3	17.8	12.6	8.8	38.6	NA	NA	ND	85.1	6.21
NB-24	April 24-26, 2006	0-2	**0.144**	0.181	6.46	4.09	ND	NA	1.5	265	269	281	58.3	407	NA	NA	ND	88.3	6.79
		2-4	ND	ND	ND	ND	ND	NA	<0.51	8.6	11.3	5.1	6.4	22.4	NA	NA	ND	95.7	6.54
		4-6	ND	ND	ND	ND	ND	NA	<0.58	10.8	8.5	5.5	7.1	20.5	NA	NA	ND	86.1	6.05
		6-8	ND	ND	ND	ND	ND	NA	<0.73	23.6	50.5	20.9	16.5	52.5	NA	NA	ND	68.9	6.7
		8-10	ND	ND	ND	ND	ND	NA	0.64	47	128	69	22.7	112	NA	NA	ND	84.9	7.06
NB-25	April 24-26, 2006	0-2	**0.279**	ND	4.89	5.22	ND	NA	0.93	380	317	340	69.3	506	NA	NA	ND	87.8	6.52
		2-4	ND	ND	0.131	0.0399	ND	NA	<0.55	61.5	116	97.4	27.6	71.7	NA	NA	ND	90.6	6.92
		4-6	ND	ND	ND	ND	ND	NA	0.96	49.3	194	82	35.6	205	NA	NA	ND	65.9	6.33
		6-8	ND	ND	ND	ND	ND	NA	<0.57	17.7	38.2	8.1	11.5	35.6	NA	NA	ND	87.5	5.65
		8-10	ND	ND	ND	ND	ND	NA	<0.58	15.9	12.5	7.1	11.9	36.8	NA	NA	ND	86.6	5.57
NB-26	April 24-26, 2006	0-2	ND	ND	1.08	0.605	ND	NA	<0.62	162	189	199	46.7	287	NA	NA	ND	88.3	6.61
		2-4	ND	ND	ND	ND	ND	NA	<0.53	22.5	37.2	12.3	10	32.6	NA	NA	ND	92.8	5.41
		4-6	ND	ND	ND	ND	ND	NA	<0.60	112	22.9	22.9	12	49.1	NA	NA	ND	87.4	5.28
		6-8	ND	ND	ND	ND	ND	NA	<0.55	17.9	10	6.1	12.2	40.5	NA	NA	ND	88.8	6.27
		8-10	ND	ND	ND	ND	ND	NA	<0.62	8.9	7.1	4.6	5	18	NA	NA	ND	87.8	6.12
NB-27	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.60	7.2	7.2	3.9	4.9	16.9	NA	NA	ND	89.1	5.39
		2-4	ND	ND	ND	ND	ND	NA	<0.58	11.8	12.3	4.9	8.3	26.6	NA	NA	ND	82.9	5.01
		4-6	ND	ND	**15.9**	7.23	ND	NA	<1.1	289	303	330	77.8	448	NA	NA	ND	91.7	5.76
		6-8	ND	ND	0.065	ND	ND	NA	<0.53	21.5	17.7	12.4	13.1	25.8	NA	NA	ND	96.4	6.47
		8-10	ND	ND	ND	ND	ND	NA	<0.62	11.7	9.5	4.8	7.8	27.6	NA	NA	ND	89	5.41
NB-28	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.52	13	17.6	8.3	9.1	35.6	NA	NA	ND	94.1	5.87
		2-4	ND	ND	ND	ND	ND	NA	<0.49	9.7	6.9	3.9	5.5	17.2	NA	NA	ND	97	5.59
		4-6	ND	ND	ND	ND	ND	NA	<0.54	12.6	13.4	9.4	7.1	24	NA	NA	ND	91.4	6.02
		6-8	ND	ND	ND	ND	ND	NA	<0.59	8.4	7.9	4.5	5.8	17.8	NA	NA	ND	83.6	5.49
		8-10	ND	ND	ND	ND	ND	NA	<0.57	8	6.4	3.2	6.2	15.8	NA	NA	ND	87	5.8

Table 2
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Sample Location	Sample Date	Sample Depth (ft)	Benzene	Toluene	Ethylbenzene	Xylene	Chlorobenzene	Total TPHC	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Cation Exchange Capacity (meq/100g)	Oil & Greese	Phenols	Solids %	pH (su)
NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NBG-1	April 24-26, 2002	0-2	-	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		2-4	ND	ND	ND	ND	ND	45.8	<0.56	32.8	38.3	8.5	24.7	25	22.1	<500	<15	82.6	6.73
		4-6	ND	ND	ND	ND	ND	28.9	<0.57	21.8	36.6	5.7	24.3	38	14	<500	<16	87.8	6.59
		6-8	ND	ND	ND	ND	ND	15.9	<0.51	10	7.5	4.2	6	18.3	22.4	<500	<14	89.2	4.45
		8-10	ND	ND	ND	ND	ND	16.1	<0.55	8.3	6.3	3.6	7.8	29.5	4.1	<500	<13	94.2	6.34
				ND															
NBG-2	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	20.1	<0.62	10.8	10.3	5.3	9.3	28.6	4.4	<500	<14	90.9	6.96
		2-4	ND	ND	ND	ND	ND	227	0.87	31.8	61.1	34.4	18.6	74.3	8	828	<15	80.5	7.42
		4-6	ND	ND	ND	ND	ND	31.1	<0.63	14	12.1	6.5	8.2	25	20	<500	<15	83.2	7.12
		6-8	ND	ND	ND	ND	ND	282	<0.58	14.9	21.3	10.6	9.3	33.8	45.7	<500	<15	81.5	7.57
		8-10	ND	ND	0.132	ND	ND	369	0.69	30.9	111	63.3	17.3	95.7	25.2	538	<15	79.1	8.52
NBG-3	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	74.4	<0.66	19.9	36	47.4	16.8	101	48.3	<500	<15	82.4	4.46
		2-4	ND	ND	ND	ND	ND	33.4	<0.69	16.5	22.9	10.7	15	41.3	25.9	<500	<16	78.3	3.96
		4-6	ND	ND	ND	ND	ND	26.3	<0.67	38.6	19.4	16	10.2	39.2	38.3	<500	<16	77.8	4.71
		6-8	ND	ND	ND	ND	ND	61.2	<0.69	15.5	20.9	15.7	12.8	43.2	27.5	<500	<17	74.2	7.58
		8-10	ND	ND	ND	ND	ND	45	<0.58	14.9	10.5	5.3	7.2	23.8	6.5	<500	<14	86.2	5.69
NBG-4	April 24-26, 2002	0-2	ND	ND	ND	ND	ND	88.4	0.65	68.1	46.4	22.3	12.7	50.8	14.2	<500	<14	89.5	7.51
		2-4	ND	ND	ND	ND	ND	137	<0.67	20.5	32	21.1	12.2	33.7	17.2	<500	<15	82.9	6.84
		4-6	ND	ND	ND	ND	ND	61	<0.54	14.9	28.5	17.3	11.7	39	14.6	<500	<14	88.5	6.98
		6-8	ND	ND	ND	ND	ND	94.8	0.68	45.2	38.1	11.8	10.7	43.3	28.9	1000	<14	83	5.65
		8-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NBG-5	October 8, 2003	0-2	ND	ND	ND	ND	ND	169	<0.58	15	22.3	12.7	8.3	26.7	16.05	529	<15	84.1	6.33
		2-4	ND	ND	ND	ND	ND	48.5	<0.56	11.9	24.1	11.5	8.8	27.3	11.35	<500	<14	88.1	6.06
		4-6	ND	ND	ND	ND	ND	87.9	<1.2	38.7	76.6	23.5	20.6	73.9	59.16	<500	<29	42	7
		6-8	ND	ND	ND	ND	ND	43.2	<0.57	7	7	6.4	6.1	23.5	10.14	<500	<14	85.8	7
		8-10	ND	ND	ND	ND	ND	34.4	<0.65	23.7	23.1	20.2	19	71.5	6.48	720	<16	75.2	5.99
NBG-6	October 8, 2003	0-2	ND	ND	ND	ND	ND	111	<0.58	22.5	47	39.7	15.7	75.2	14.83	510	<14	87	6.32
		2-4	ND	ND	ND	ND	ND	211	0.76	55.4	121	61.8	28.1	130	12.4	660	<16	76.5	8.01
		4-6	ND	ND	ND	ND	ND	1670	<0.57	8.1	14.7	8.6	6.1	17.1	4.34	2380	<14	86.3	7
		6-8	ND	ND	ND	ND	ND	238	<0.58	7.8	8.6	6.5	5.7	17.4	3.76	595	<14	87.4	7
		8-10	ND	ND	ND	ND	ND	46.7	<0.59	7.4	12.5	6.7	7.5	21.3	4.39	<500	<14	85.4	6.39
NBG-7	October 8, 2003	0-2	ND	ND	ND	ND	ND	46.8	<0.54	10.1	13.5	19.7	8.6	34.2	8.22	<500	<13	90.5	7.81
		2-4	ND	ND	ND	ND	ND	35.9	<0.58	10.8	11.9	5.7	11.2	34.2	7.09	<500	<15	83.9	5.43
		4-6	ND	ND	ND	ND	ND	245	1.4	47.5	114	54.9	24.69	114	10.31	<500	<16	80	7.9
		6-8	ND	ND	ND	ND	ND	61.5	<0.60	10.9	20.2	9.1	8.4	33.6	5.92	<500	<15	83.1	7.67
		8-10	ND	ND	ND	ND	ND	214	0.84	41.1	156	91.1	22.6	138	12.88	581	<15	80.1	8.32

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NRDCSRS			5	91000	110000	170000	7400	-	78	-	45000	800	23000	110000	-	-	210000	-	-
RDCSRS			2	6300	7800	12000	510	-	78	-	3100	400	1600	23000	-	-	18000	-	-
IGWSRS			0.005	4	8	12	0.4	-	-	-	-	-	-	-	-	-	5	-	-
NBGRD-1	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.54	15.9	15.9	10.9	10.3	30.1	NA	NA	ND	92.7	5.48
		2-4	ND	ND	ND	ND	ND	NA	<0.52	15	13.4	8.2	9	24	NA	NA	ND	95.3	4.4
		4-6	ND	ND	ND	ND	ND	NA	<0.52	10.2	8.3	4.2	6	20.2	NA	NA	ND	95.2	5.21
		6-8	ND	ND	ND	ND	ND	NA	<0.57	15.6	12.6	5.1	10.3	34.2	NA	NA	ND	88.1	6.28
		8-10	ND	ND	ND	ND	ND	NA	<0.58	8.8	8.2	3.2	8.3	23.3	NA	NA	ND	86.4	6.24
NBGRD-2	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	1.1	46.2	91.3	44.1	23	98.7	NA	NA	ND	81.7	7.6
		2-4	ND	ND	ND	ND	ND	NA	<0.57	11.9	14	7	8	26.5	NA	NA	ND	87.4	7.77
		4-6	ND	ND	ND	ND	ND	NA	<0.61	13.4	15.5	8.4	7.6	26	NA	NA	ND	84	6.33
		6-8	ND	ND	ND	ND	ND	NA	<0.59	11.9	8.8	4.6	8.6	27.7	NA	NA	ND	91.4	6.81
		8-10	ND	ND	ND	ND	ND	NA	<0.55	22.2	18.3	14	12	33.2	NA	NA	ND	90	5.94
NBGRD-3	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.61	17	19.9	11.4	12	38.8	NA	NA	ND	82.9	5.56
		2-4	ND	ND	ND	ND	ND	NA	<0.54	10.2	6.9	2.9	6.1	20.3	NA	NA	ND	89.2	5.07
		4-6	ND	ND	ND	ND	ND	NA	<0.52	8.1	7.7	6.1	<4.2	12.8	NA	NA	ND	89.3	5.91
		6-8	ND	ND	ND	ND	ND	NA	<0.69	25.8	23.5	19.8	18.4	57.3	NA	NA	ND	66.8	6.48
		8-10	ND	ND	ND	ND	ND	NA	<0.56	11.4	15.8	15.5	6.9	25.1	NA	NA	ND	92.3	7.9
NBGRD-4	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.60	19.1	30.8	17.2	14.1	39.2	NA	NA	ND	84.8	6.31
		2-4	ND	ND	ND	ND	ND	NA	<0.93	42.7	29.6	53.6	40.2	181	NA	NA	ND	53.8	5.47
		4-6	ND	ND	ND	ND	ND	NA	<0.56	13	32.4	11.4	10.5	32.5	NA	NA	ND	83.7	5.99
		6-8	ND	ND	ND	ND	ND	NA	<0.53	10.3	7.8	3.3	5.4	21.7	NA	NA	ND	89.2	5.8
		8-10	ND	ND	ND	ND	ND	NA	<0.59	13.2	6.6	3.3	6.1	24.4	NA	NA	ND	85.3	5.89
NBGRD-5	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.58	9.2	9.2	6.9	8.1	31.3	NA	NA	ND	88.5	5.58
		2-4	ND	ND	ND	ND	ND	NA	<0.64	22.8	38	17.9	14.2	53.1	NA	NA	ND	80.6	6.7
		4-6	ND	ND	ND	ND	ND	NA	<0.54	12.9	17.1	6.7	10.1	38.8	NA	NA	ND	85.8	5.9
		6-8	ND	ND	ND	ND	ND	NA	<0.59	8.2	13.1	4.9	6.4	20	NA	NA	ND	85.6	5.89
		8-10	ND	ND	ND	ND	ND	NA	<0.62	45.4	14.5	5.9	7.3	22.8	NA	NA	ND	86.8	5.86
NBGRD-6	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.52	14.2	22.5	21.3	7.8	22.7	NA	NA	ND	90.3	4.95
		2-4	ND	ND	ND	ND	ND	NA	<0.57	13	36.9	8.2	8.4	29.7	NA	NA	ND	93.6	4.71
		4-6	ND	ND	ND	ND	ND	NA	<0.54	11.5	9.6	5.1	9.1	28.4	NA	NA	ND	88.6	5.8
		6-8	ND	ND	ND	ND	ND	NA	<0.55	9.3	8.7	3.4	7.1	22.1	NA	NA	ND	86.6	6.06
		8-10	ND	ND	ND	ND	ND	NA	<0.58	13.2	10.4	3.3	8.2	28.2	NA	NA	ND	89.1	6.04
NBGRD-7	April 24-26, 2006	0-2	ND	ND	ND	ND	ND	NA	<0.57	20	82.3	3.1	39.1	34.3	NA	NA	ND	89.1	8.12
		2-4	ND	ND	ND	ND	ND	NA	<0.55	9.8	11.1	5.7	5.3	16.4	NA	NA	ND	89.7	7.61
		4-6	ND	ND	ND	ND	ND	NA	<0.52	14.1	14.6	5	7.5	23.4	NA	NA	ND	91	6.56
		6-8	ND	ND	ND	ND	ND	NA	<0.59	9.3	12.7	4.6	6.7	20.2	NA	NA	ND	88.8	7
		8-10	ND	ND	ND	ND	ND	NA	<0.52	13.9	63.6	5.4	26	34.6	NA	NA	ND	93.2	8.77

Notes:
All samples in mg/kg unless otherwise noted.
NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
RDCSRS - Residential Direct Contact Soil Remediation Standard
IGWSRS - Impact to Ground Water Soil Remediation Standard (Default)
NA - Not Analyzed
NS - Not Sampled
ND - Not Detected
- Sample Above NRDCSRS
- Sample Above RDCSRS but Below NRDCSRS
- Sample Above IGWSRS but Below NRDCSRS and RDCSRS

Table 3
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Soil Sampling Summary Table

			Volatile Organics									
Sample Location	**Sample Date**	**Sample Depth**	**Acetone**	**Benzene**	**2-Butanone (MEK)**	**Carbon disulfide**	**Ethylbenzene**	**Methylene chloride**	**Toluene**	**Xylene (total)**	**Total TIC, Volatile**	**Solids, Percent**
NRDCSRS			**NA**	**5**	**44,000**	**110,000**	**110,000**	**97**	**91,000**	**170,000**	**NA**	**NA**
RDCSRS			**NA**	**2**	**3,100**	**7,800**	**7,800**	**34**	**6,300**	**12,000**	**NA**	**NA**
IGWSRS			**NA**	**0.005**	**0.6**	**4**	**8**	**0.007**	**4**	**12**	**NA**	**NA**
NLF-1	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.6
		(2-4)	ND	ND	ND	0.00076 J	ND	ND	0.0086	ND	ND	90.1
		(4-6)	ND	ND	ND	0.00086 J	ND	ND	0.0017	ND	ND	82.2
		(6-8)	ND	ND	ND	0.0018 J	ND	ND	ND	ND	ND	85
		(8-10)	ND	ND	ND	0.0051	ND	ND	ND	ND	ND	87.9
NLF-2	10/27/2009	(0-2)	0.0343	ND	ND	ND	ND	ND	ND	ND	ND	86.6
		(2-4)	0.02900	ND	ND	0.0018 J	ND	ND	0.0042	ND	ND	89.4
		(4-6)	0.0148	ND	ND	0.0012 J	ND	ND	0.00043 J	ND	ND	88.5
		(6-8)	0.0053 J	ND	ND	0.0015 J	ND	ND	ND	ND	ND	87.8
		(8-10)	0.0068 J	ND	ND	0.0021 J	ND	ND	ND	ND	ND	81
NLF-3	10/27/2009	(0-2)	0.0411	ND	ND	0.0039 J	ND	ND	ND	ND	ND	66.3
		(2-4)	0.0389	ND	ND	0.0031 J	ND	ND	0.0012 J	ND	ND	67.6
		(4-6)	0.0191	ND	ND	0.0017 J	ND	ND	ND	ND	ND	73.2
		(6-8)	0.0377	ND	ND	0.0044 J	ND	ND	0.0008 J	ND	ND	66
		(8-10)	0.0385	ND	ND	0.0017 J	ND	ND	ND	0.0009 J	0.039 J	80.1
NLF-4	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	82.7
		(2-4)	ND	ND	ND	0.0012 J	ND	ND	ND	ND	ND	79.2
		(4-6)	ND	ND	ND	0.0021 J	ND	ND	ND	ND	ND	82.8
		(6-8)	0.104	ND	0.0177	0.0010 J	ND	ND	0.0019	0.0010 J	0.0387 J	74.7
		(8-10)	0.0939	ND	0.0141 J	0.0019 J	ND	ND	0.0010 J	ND	0.0010 J	68.5
NLF-5	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.9
		(2-4)	ND	ND	ND	0.0020 J	ND	ND	ND	ND	ND	46.3
		(4-6)	ND	ND	ND	ND	ND	ND	ND	ND	ND	87.4
		(6-8)	0.0283	ND	ND	0.0159	ND	0.0043 J	0.0023	ND	ND	70.9
		(8-10)	ND	ND	ND	ND	ND	ND	ND	ND	ND	88.3

Table 3
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Soil Sampling Summary Table

			Metals														
Sample Location	**Sample Date**	**Sample Depth**	**Aluminum**	**Antimony**	**Arsenic**	**Barium**	**Beryllium**	**Cadmium**	**Calcium**	**Chromium**	**Cobalt**	**Copper**	**Cyanide**	**Iron**	**Lead**	**Magnesium**	**Manganese**
NRDCSRS			**NA**	**450**	**19**	**59,000**	**140**	**78**	**NA**	**NA**	**590**	**45,000**	**23,000**	**NA**	**800**	**NA**	**5,900**
RDCSRS			**78,000**	**31**	**19**	**16,000**	**16**	**78**	**NA**	**NA**	**1,600**	**3,100**	**1,600**	**NA**	**400**	**NA**	**11,000**
IGWSRS			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NLF-1	10/27/2009	(0-2)	4,620	<2.4	9.8	40.1	<0.59	0.79	<590	19.8	<5.9	17.3	<0.30	24,400	18.0	1,490	85.3
		(2-4)	2,720	<2.2	2.5	<22	<0.56	<0.56	<560	7.5	<5.6	6.6	<0.24	9,940	4.8	1,010	40.4
		(4-6)	2,950	<2.3	2.3	<23	<0.58	<0.58	976	10.2	<5.8	14.0	<0.29	13,800	7.6	959	62.8
		(6-8)	3,050	<2.5	4.0	<25	<0.61	<0.61	<610	10.7	<6.1	9.9	<0.26	12,200	5.1	1,080	55.2
		(8-10)	3,000	<2.2	<2.2	<22	<0.55	<0.55	<550	8.3	<5.5	9.4	<0.26	8,430	3.4	932	46.8
NLF-2	10/27/2009	(0-2)	4,870	<2.3	6.2	<23	<0.58	<0.58	<580	30.0	<5.8	19.1	<0.25	23,500	9.8	1,660	93.9
		(2-4)	4,670	<2.3	6.7	<23	<0.58	<0.58	<580	32.5	<5.8	16.4	<0.25	20,600	7.9	1,590	78.3
		(4-6)	4,510	<2.2	4.2	<22	<0.55	<0.55	742	14.2	<5.5	13.4	<0.24	21,200	8.2	1,680	91.2
		(6-8)	3,220	<2.4	3.1	<24	<0.59	<0.59	<590	8.6	<5.9	13.0	<0.24	10,900	2.8	1,080	62.6
		(8-10)	7,060	<2.4	13.2	34.0	<0.61	<0.61	667	22.4	<6.1	27.8	<0.29	31,900	22.1	2,200	92.7
NLF-3	10/27/2009	(0-2)	13,200	<2.0	18.8	41.1	0.51	0.74	911	32.4	7.5	42.4	<0.34	32,100	32.1	3,700	225
		(2-4)	8,260	<2.2	9.2	28.7	<0.55	<0.55	1,040	20.6	<5.5	24.7	<0.32	22,100	20.5	2,990	165
		(4-6)	10,700	<2.1	9.9	37.6	0.62	<0.53	895	24.7	7.7	32.9	<0.31	24,900	24.7	3,510	229
		(6-8)	15,500	<2.0	7.4	51.6	0.67	0.92	2,710	30.8	8.2	12.7	<0.33	53,700	8.9	5,740	477
		(8-10)	8,350	2.4	10.9	34.1	<0.59	0.88	1,250	20.7	6.6	22.6	<0.30	47,800	10.4	2,750	267
NLF-4	10/27/2009	(0-2)	2,550	<2.4	<2.4	<24	<0.60	<0.60	<600	7.6	<6.0	6.8	<0.25	11,700	4.4	984	49.8
		(2-4)	5,130	<2.1	4.8	34.7	<0.53	0.58	<530	15.2	7.9	27.0	<0.26	17,500	10.1	2,340	98.7
		(4-6)	3,260	<2.4	2.6	<24	<0.60	<0.60	<600	9.3	<6.0	10.5	<0.27	11,100	4.2	1,170	47.0
		(6-8)	9,630	<2.0	9.5	33.4	<0.50	<0.50	957	21.8	6.2	29.2	<0.27	24,700	19.9	3,160	218
		(8-10)	12,300	<2.2	10.1	41.3	0.60	0.57	1,230	27.4	7.7	32.0	<0.35	27,700	20.1	4,230	233
NLF-5	10/27/2009	(0-2)	8,190	<2.0	6.4	36.7	<0.50	<0.50	<500	21.6	<5.0	23.8	<0.26	22,100	18.7	2,630	106
		(2-4)	13,900	<2.0	13.6	45.7	0.62	0.78	1,560	36.7	10.5	78.9	<0.44	21,600	28.8	3,000	116
		(4-6)	3,510	<2.3	4.4	<23	<0.58	<0.58	<580	10.3	<5.8	10.0	<0.23	15,100	10.3	1,370	61.8
		(6-8)	9,550	<2.0	5.6	37.6	<0.50	<0.50	944	23	<5.0	30.1	<0.33	14,400	18.2	2,040	77.8
		(8-10)	3,130	<2.2	3.5	<22	<0.56	<0.56	<560	8.4	<5.6	10.6	<0.23	16,000	2.5	1,180	69.6

Table 3
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Soil Sampling Summary Table

			Metals									Pesticides		
Sample Location	**Sample Date**	**Sample Depth**	**Mercury**	**Nickel**	**Potassium**	**Selenium**	**Silver**	**Sodium**	**Thallium**	**Vanadium**	**Zinc**	**4,4'-DDD**	**4,4'-DDE**	**4,4'-DDT**
NRDCSRS			**65**	**23,000**	**NA**	**5,700**	**5,700**	**NA**	**79**	**1,100**	**110,000**	**13**	**9**	**8**
RDCSRS			**23**	**1,600**	**NA**	**390**	**390**	**NA**	**5**	**78**	**23,000**	**3**	**2**	**2**
IGWSRS			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NLF-1	10/27/2009	(0-2)	0.18	10.0	<1,200	<2.4	<1.2	<1,200	<1.2	26.7	48.3	0.0208	0.0048	ND
		(2-4)	<0.033	4.8	<1,100	<2.2	<1.1	<1,100	<1.1	11.6	14.0	0.0041	ND	ND
		(4-6)	0.073	6.4	<1,200	<2.3	<1.2	<1,200	<1.2	11.4	58.3	0.002	ND	ND
		(6-8)	<0.034	5.3	<1,200	<2.5	<1.2	<1,200	<1.2	11.4	16.1	ND	ND	ND
		(8-10)	<0.037	6.8	<1,100	<2.2	<1.1	<1,100	<1.1	9.3	22.5	0.0059	0.0018	ND
NLF-2	10/27/2009	(0-2)	0.095	9.7	<1,200	<2.3	<1.2	<1,200	<1.2	25.6	25.6	0.0141	0.0028	0.0047
		(2-4)	0.060	8.1	<1,200	<2.3	<1.2	<1,200	<1.2	26.8	28.3	0.0201	0.0024	ND
		(4-6)	<0.032	9.4	<1,100	<2.2	<1.1	<1,100	<1.1	19.3	31.4	ND	0.0016	ND
		(6-8)	<0.037	6.0	<1,200	<2.4	<1.2	<1,200	<1.2	11.3	18.2	0.0015	ND	ND
		(8-10)	0.081	10.0	2,500	<2.4	<1.2	<1,200	<1.2	31.1	36.0	0.0020	ND	ND
NLF-3	10/27/2009	(0-2)	0.099	20.6	2,350	<2.0	<1.0	<1,000	<1.0	40	81.3	0.0045	ND	ND
		(2-4)	0.11	13.8	1,590	<2.2	<1.1	<1,100	<1.1	25.4	50.5	ND	ND	ND
		(4-6)	0.23	21.5	1,960	<2.1	<1.1	<1,100	<1.1	31.9	81.1	0.0030	ND	0.0062
		(6-8)	0.078	21.9	2,940	<2.0	<1.0	1,330	<1.0	35.6	65.6	ND	ND	ND
		(8-10)	0.14	15.3	<1,200	<2.4	<1.2	<1,200	<1.2	40.2	51.7	0.0032	0.0019	ND
NLF-4	10/27/2009	(0-2)	<0.036	5.9	<1,200	<2.4	<1.2	<1,200	<1.2	10.8	17.4	ND	ND	ND
		(2-4)	0.047	16.5	<1,100	<2.1	<1.1	<1,100	<1.1	18.1	47.3	0.0039	0.0021	ND
		(4-6)	<0.039	10.6	<1,200	<2.4	<1.2	<1,200	<1.2	11.7	30.0	0.0024	ND	ND
		(6-8)	0.14	15.5	1,770	<2.0	<1.0	<1,000	<1.0	26.5	54.3	0.0036	0.0033	ND
		(8-10)	0.13	18.9	2,250	<2.2	<1.1	<1,100	<1.1	32.5	63.8	0.0022	0.0019	ND
NLF-5	10/27/2009	(0-2)	0.13	11.7	1,700	<2.0	<1.0	<1,000	<1.0	24.9	35.8	0.0027	ND	0.0023
		(2-4)	0.34	28.1	2,490	<2.0	<1.0	<1,000	<1.0	43.2	85.2	0.0027	ND	ND
		(4-6)	<0.037	6.6	<1,200	<2.3	<1.2	<1,200	<1.2	14.9	19.8	0.0015	ND	ND
		(6-8)	0.32	10.7	1,800	<2.0	<1.0	<1,000	<1.0	28.1	30.3	0.0053	ND	ND
		(8-10)	<0.033	6.5	<1,100	<2.2	<1.1	<1,100	<1.1	14.3	20.0	ND	ND	ND

Table 3
Hess Corporation- Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey
North Landfarm Soil Sampling Summary Table

			Base Neutrals										
Sample Location	**Sample Date**	**Sample Depth**	**Benzo(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	**Chrysene**	**Dimethyl phthalate**	**bis(2-Ethylhexyl)phthalate**	**Fluoranthene**	**Phenanthrene**	**Pyrene**	**1,2,4-Trichlorobenzene**	**Total TIC, Semi-Volatile**
NRDCSRS			**2**	**0.2**	**2**	**230**	**NA**	**140**	**24,000**	**300,000**	**18,000**	**820**	**NA**
RDCSRS			**0.6**	**0.2**	**0.6**	**62**	**NA**	**35**	**2,300**	**NA**	**1,700**	**73**	**NA**
IGWSRS			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.4**	**NA**
NLF-1	10/27/2009	(0-2)	0.0153 J	ND	0.0125 J	0.0172 J	ND	ND	0.0261 J	ND	0.0258 J	ND	0.99 J
		(2-4)	ND	ND	ND	ND	ND	0.0627 J	ND	ND	ND	ND	0
		(4-6)	ND	ND	ND	ND	ND	0.0415 J	ND	ND	ND	ND	0.42 J
		(6-8)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
		(8-10)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
NLF-2	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.560 J
		(2-4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.560 J
		(4-6)	ND	ND	ND	ND	0.0498 J	ND	ND	ND	ND	ND	4.540J
		(6-8)	ND	ND	ND	ND	0.0405 J	ND	ND	ND	ND	ND	1.670 J
		(8-10)	ND	ND	ND	ND	0.0473 J	ND	ND	ND	ND	ND	1.480 J
NLF-3	10/27/2009	(0-2)	0.0231 J	0.0146 J	ND	0.0209 J	ND	ND	0.0208 J	ND	0.0345 J	ND	2.40 J
		(2-4)	ND	ND	ND	0.0142 J	ND	0.0791 J	0.0201 J	ND	0.0258 J	ND	15.10 J
		(4-6)	ND	ND	ND	ND	ND	ND	ND	ND	0.0185 J	ND	10.790 J
		(6-8)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.660 J
		(8-10)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.370 J
NLF-4	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
		(2-4)	0.0167 J	0.0117 J	ND	0.0142 J	ND	ND	0.0253 J	ND	0.0293 J	ND	0.600 J
		(4-6)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.420 J
		(6-8)	0.0221 J	0.0158 J	0.0183 J	0.0253 J	ND	ND	0.0373 J	0.0182 J	0.047	ND	35.490 J
		(8-10)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.170 J
NLF-5	10/27/2009	(0-2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
		(2-4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.440 J
		(4-6)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
		(6-8)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.170 J
		(8-10)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0

NS- Not Sampled
NA- Not Analyzed
ND- Not Detected

J- Represents Estimated Concentration
All Results in mg/kg unless otherwise noted

Table 4
Groundwater Sampling Summary Table - Volatiles
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Volatiles									
Sample ID	Date	Benzene	1,2-Dichlorobenzene	Ethylbenzene	Toluene	Vinyl Chloride	Xylenes (total)	Methyl Tert Butyl Ether	Tertiary Butyl Alcohol
NJDEP GWQS		1	600	700	600	1	1,000	70	100
LN-1	7/19/2002	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2003	ND	ND	ND	ND	ND	ND	ND	ND
	7/25/2003	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2004	ND	ND	ND	ND	ND	ND	ND	ND
	7/30/2004	ND	ND	ND	ND	ND	ND	ND	ND
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	ND
	7/19/2006	ND	ND	ND	ND	ND	ND	1.5	ND
	7/26/2006	ND	ND	ND	ND	ND	ND	1.5	ND
	1/23/2007	ND	ND	ND	ND	ND	ND	3.7	ND
	7/27/2007	ND	ND	ND	ND	ND	ND	2.6	ND
	1/10/2008	ND	ND	1.1	ND	ND	ND	ND	ND
	7/21/2008	ND	ND	ND	ND	ND	ND	1.2	ND
	1/21/2009	ND	ND	ND	ND	ND	ND	1.1	ND
	7/28/2009	ND	ND	ND	ND	ND	ND	1	ND
	10/26/2009	ND	ND	ND	ND	ND	ND	1.3	ND
	1/27/2010	ND	ND	ND	ND	ND	ND	0.94	ND
	4/5/2010	ND	ND	ND	ND	ND	ND	0.91	ND
	7/21/2010	ND	ND	ND	ND	ND	ND	1.0	ND
	10/26/2010	ND	ND	ND	ND	ND	ND	1.5	ND
	1/19/2011	ND	ND	ND	ND	ND	ND	1.1	ND
	4/20/2011	ND	ND	ND	ND	ND	ND	0.74	ND
	7/21/2011	ND	ND	ND	ND	ND	ND	1.0	ND
	10/20/2011	ND	ND	ND	ND	ND	ND	1.3	ND
	1/18/2012	ND	ND	ND	ND	ND	ND	0.59 J	ND
	4/24/2012	ND	ND	ND	ND	ND	ND	0.63 J	ND
	7/24/2012	ND	ND	ND	ND	ND	ND	0.96 J	ND

Table 4
Groundwater Sampling Summary Table - Volatiles
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Volatiles									
Sample ID	Date	Benzene	1,2-Dichlorobenzene	Ethylbenzene	Toluene	Vinyl Chloride	Xylenes (total)	Methyl Tert Butyl Ether	Tertiary Butyl Alcohol
NJDEP GWQS		1	600	700	600	1	1,000	70	100
	7/19/2002	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2003	ND	ND	ND	ND	ND	ND	ND	ND
	7/25/2003	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2004	ND	ND	ND	ND	ND	ND	ND	ND
	7/30/2004	ND	ND	ND	ND	ND	ND	ND	ND
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	ND
	7/19/2006	ND	ND	ND	ND	ND	ND	ND	ND
	7/26/2006	ND	ND	ND	ND	ND	ND	0.74	ND
	1/23/2007	ND	ND	ND	ND	ND	ND	ND	ND
	7/27/2007	ND	ND	ND	ND	ND	ND	0.74	ND
	1/10/2008	ND	ND	ND	ND	ND	ND	ND	ND
	7/21/2008	ND	ND	ND	ND	ND	ND	ND	ND
	1/21/2009	ND	ND	ND	ND	ND	ND	ND	ND
LN-2	7/28/2009	ND	ND	ND	ND	ND	ND	ND	11.6
	10/26/2009	ND	ND	ND	ND	ND	ND	0.61	33.2
	1/27/2010	ND	ND	ND	ND	ND	ND	0.5	21
	4/5/2010	ND	ND	ND	ND	ND	ND	ND	14.2
	7/21/2010	ND	ND	ND	ND	ND	ND	ND	ND
	10/26/2010	ND	ND	ND	ND	ND	ND	0.44	15.8
	1/19/2011	ND	ND	ND	ND	ND	ND	0.33	ND
	4/20/2011	ND	ND	ND	ND	ND	ND	ND	ND
	7/21/2011	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/2011	ND	ND	ND	ND	ND	ND	0.76J	39.7
	1/18/2012	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2012	ND	ND	ND	ND	ND	ND	ND	ND
	7/24/2012	ND	ND	ND	ND	ND	ND	0.37 J	20.8 J

Table 4
Groundwater Sampling Summary Table - Volatiles
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Volatiles									
Sample ID	Date	Benzene	1,2-Dichlorobenzene	Ethylbenzene	Toluene	Vinyl Chloride	Xylenes (total)	Methyl Tert Butyl Ether	Tertiary Butyl Alcohol
NJDEP GWQS		1	600	700	600	1	1,000	70	100
LN-3	7/19/2002	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2003	ND	ND	ND	ND	ND	ND	ND	ND
	7/25/2003	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2004	ND	ND	ND	ND	ND	ND	ND	ND
	1/27/2005	ND	0.19	ND	ND	ND	ND	ND	ND
	7/19/2006	0.22	ND	ND	ND	ND	ND	ND	ND
	7/26/2006	ND	ND	ND	ND	ND	ND	1.2	52.7
	1/23/2007	ND	ND	ND	ND	ND	ND	0.68	35.8
	7/27/2007	ND	ND	ND	ND	ND	ND	0.8	30.3
	1/10/2008	ND	ND	ND	ND	ND	ND	0.63	44.5
	7/21/2008	ND	ND	ND	ND	ND	ND	0.59	17.4
	1/21/2009	ND	ND	ND	ND	ND	0.36	0.78	38
	7/28/2009	0.37	ND	ND	ND	ND	ND	0.69	40.7
	10/26/2009	ND	ND	ND	ND	ND	ND	0.36	11.2
	1/27/2010	ND	ND	ND	ND	ND	ND	0.5	17.4
	4/5/2010	ND	ND	ND	ND	ND	ND	0.36	19.7
	7/21/2010	ND	ND	ND	ND	ND	ND	ND	ND
	10/26/2010	ND	ND	ND	ND	ND	ND	0.28	ND
	1/19/2011	ND	ND	ND	ND	ND	ND	ND	ND
	4/20/2011	ND	ND	ND	ND	ND	ND	0.48	23.8
	7/21/2011	ND	ND	ND	0.34 J	ND	0.53 J	0.52 J	19.6 J
	10/20/2011	ND	ND	ND	ND	ND	0.61 J	0.55 J	ND
	1/18/2012	ND	ND	ND	ND	ND	ND	0.29 J	ND
	4/24/2012	ND	ND	ND	ND	ND	ND	ND	ND
	7/24/2012	ND	ND	ND	ND	ND	ND	0.31 J	ND

Table 4
Groundwater Sampling Summary Table - Volatiles
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Volatiles									
Sample ID	**Date**	**Benzene**	**1,2-Dichlorobenzene**	**Ethylbenzene**	**Toluene**	**Vinyl Chloride**	**Xylenes (total)**	**Methyl Tert Butyl Ether**	**Tertiary Butyl Alcohol**
NJDEP GWQS		**1**	**600**	**700**	**600**	**1**	**1,000**	**70**	**100**
LN-4	7/19/2002	ND	ND	ND	0.21	ND	1.1	ND	ND
	1/24/2003	ND	ND	ND	ND	ND	ND	ND	ND
	7/25/2003	ND	ND	ND	ND	ND	ND	ND	ND
	1/24/2004	ND	ND	ND	ND	ND	ND	ND	ND
	7/30/2004	ND	ND	ND	ND	ND	ND	ND	ND
	1/27/2005	ND	ND	ND	ND	ND	ND	ND	ND
	7/19/2006	ND	ND	ND	ND	ND	ND	ND	ND
	7/26/2006	ND	ND	ND	ND	ND	0.52	1.9	**162**
	1/23/2007	0.29	ND	ND	ND	ND	0.32	1.4	**127**
	7/27/2007	0.53	ND	ND	ND	ND	ND	1.6	**106**
	1/10/2008	ND	ND	ND	ND	ND	ND	0.54	ND
	7/21/2008	ND	ND	ND	ND	ND	ND	0.73	27.5
	1/21/2009	ND	ND	ND	ND	ND	0.36	0.78	38.1
	7/28/2009	ND	ND	ND	ND	ND	ND	ND	ND
	10/26/2009	ND	ND	ND	ND	ND	ND	1.1	67.8
	1/27/2010	ND	ND	ND	ND	ND	ND	1.2	41.6
	4/5/2010	ND	ND	ND	ND	ND	ND	0.91	29.5
	7/21/2010	ND	ND	ND	ND	ND	ND	0.45	11.2
	10/26/2010	ND	ND	ND	ND	ND	0.92	0.86	34.2
	1/19/2011	ND	ND	ND	ND	ND	ND	0.33	ND
	4/20/2011	ND	ND	ND	ND	ND	ND	0.73	18.8
	7/21/2011	ND	ND	ND	0.27 J	ND	0.37 J	0.85 J	17.9 J
	10/20/2011	0.43 J	ND	ND	0.29 J	ND	0.92 J	1	44.2
	1/18/2012	ND	ND	ND	ND	ND	ND	0.58 J	18.9 J
	4/24/2012	0.52 J	ND	ND	ND	ND	0.58 J	0.58 J	ND
	7/24/2012	ND	ND	ND	ND	ND	0.99 J	0.87 J	23.1 J

Table 4
Groundwater Sampling Summary Table - Volatiles
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Volatiles									
Sample ID	**Date**	**Benzene**	**1,2-Dichlorobenzene**	**Ethylbenzene**	**Toluene**	**Vinyl Chloride**	**Xylenes (total)**	**Methyl Tert Butyl Ether**	**Tertiary Butyl Alcohol**
NJDEP GWQS		**1**	**600**	**700**	**600**	**1**	**1,000**	**70**	**100**
LN-5	10/26/2010	ND	ND	ND	ND	ND	ND	ND	ND
	1/19/2011	Could not locate due to snow							
	4/20/2011	ND	ND	ND	ND	ND	ND	ND	ND
	7/21/2011	ND	ND	ND	0.26 J	ND	ND	ND	ND
	10/20/2011	ND	ND	ND	ND	ND	ND	ND	ND
	1/18/2012	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2012	ND	ND	ND	ND	ND	ND	ND	ND
	7/24/2012	ND	ND	ND	ND	ND	ND	ND	ND
LN-6	10/26/2010	ND	ND	ND	ND	ND	ND	ND	ND
	1/19/2011	ND	ND	0.22	ND	ND	2.3	ND	ND
	4/20/2011	ND	ND	ND	ND	ND	ND	ND	ND
	7/21/2011	ND	ND	ND	ND	ND	ND	ND	ND
	10/20/2011	ND	ND	ND	ND	ND	ND	0.62 J	22.5 J
	1/18/2012	ND	ND	ND	ND	ND	ND	ND	ND
	4/24/2012	ND	ND	ND	ND	ND	ND	0.29 J	ND
	7/24/2012	ND	ND	ND	ND	ND	ND	0.38 J	ND
LN-7	10/26/2010	ND	ND	ND	ND	ND	ND	0.59	32.2
	1/19/2011	ND	ND	ND	ND	ND	ND	0.34	20.7
	4/20/2011	ND	ND	ND	ND	ND	ND	ND	ND
	7/21/2011	ND	ND	ND	ND	ND	ND	0.30 J	ND
	10/20/2011	**12.1**	ND	0.30 J	0.60 J	ND	1.1	1.2	42.0
	1/18/2012	ND	ND	ND	ND	ND	ND	1.0	28.0
	4/24/2012	ND	ND	ND	ND	ND	ND	0.38 J	12.8 J
	7/24/2012	ND	ND	ND	ND	ND	ND	0.33 J	17.1 J

All data is reported in ug/kg unless otherwise noted
ND- Not Detected
NA- Not Analyzed/ Not Applicable
NS- Not Sampled
NR- Not Reported
J- Estimate Value

Table 5
Groundwater Sampling Summary Table - Metals
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

Metals												
Sample ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Iron**	**Lead**	**Manganese**	**Mercury**	**Selenium**	**Silver**	**Sodium**
NJDEP GWQS		**3**	**6,000**	**4**	**70**	**300**	**5**	**50**	**2**	**40**	**40**	**50,000**
LN-1	1/27/2005	**6.8**	<200	<4.0	<10	**103,000**	3.6	**2,450**	<0.20	<5.0	<10	**287,000**
	4/27/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/19/2005	**14.0**	<200	<4.0	<10	**104,000**	<3.0	**2,260**	<0.20	<5.0	<10	**221,000**
	10/10/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	4/27/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/20/2006	**11.0**	<200	**4**	<10	**89,000**	**5.5**	**1,850**	<0.20	<10	<10	**210,000**
	10/20/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/23/2007	**8.9**	368	**13.6**	<10	**296,000**	**6.9**	**9,100**	<0.20	<10	<10	**2,070,000**
	4/17/2007	NS	NS	NS	<10	NS	11.2	NS	NS	NS	NS	NS
	7/27/2007	**<8**	<200	<4.0	<10	**145,000**	<3.0	**4,830**	<0.20	<10	<10	**2,160,000**
	10/29/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/10/2008	**<8**	<200	<4.0	<10	**106,000**	<3.0	**2,690**	<0.20	<10	<10	**740,000**
	4/14/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/21/2008	**13.7**	<200	<4.0	<10	**150,000**	<3.0	**2,090**	<0.20	23.5	<10	**566,000**
	10/27/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/21/2009	<3.0	<200	<3.0	<10	**98,800**	<3.0	**1,880**	<0.20	<10	<10	**416,000**
	4/28/2009	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/28/2009	**7.4**	<200	<4.0	<10	**59,400**	4.9	**1,200**	<0.20	<10	<10	**331,000**
	10/26/2009	<3.0	<200	<3.0	<10	**59,500**	<3.0	**2,140**	<0.20	<10	<10	**406,000**
	1/27/2010	<3.0	<200	<3.0	<10	**44,200**	<3.0	**1,810**	<0.20	<10	<10	**384,000**
	4/5/2010	<3.0	<200	<3.0	<10	**61,800**	<3.0	**1,680**	<0.20	<10	<10	**358,000**
	7/21/2010	**3.6**	<200	<3.0	<10	**46,400**	<3.0	**1,440**	<0.20	<10	<10	**333,000**
	10/26/2010	<3.0	<200	<3.0	<10	**3,770**	<3.0	**1,320**	<0.20	<10	<10	**289,000**
	1/19/2011	<3.0	<200	<3.0	<10	**34,700**	<3.0	**1,670**	<0.20	<10	<10	**274,000**
	4/20/2011	<3.0	<200	<3.0	<10	**36,400**	<3.0	**1,530**	<0.20	<10	<10	**264,000**
	7/21/2011	**6.1**	<200	<3.0	<10	**105,000**	4.4	**1,380**	<0.20	<10	<10	**197,000**
	10/20/2011	**4.5**	<200	<3.0	<10	**35,100**	<3.0	**1,110**	<0.20	<10	<10	**237,000**
	1/18/2012	<3.0	<200	<3.0	<10	**44,500**	<3.0	**1,330**	<0.20	<10	<10	**272,000**
	4/24/2012	<3.0	<200	<3.0	<10	**31,000**	<3.0	**1,520**	<0.20	<10	<10	**271,000**
	7/24/2012	<3.0	<200	<3.0	<10	**38,700**	NS	**1,110**	NS	<10	<10	**238,000**

Table 5
Groundwater Sampling Summary Table - Metals
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

		Metals										
Sample ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Iron**	**Lead**	**Manganese**	**Mercury**	**Selenium**	**Silver**	**Sodium**
NJDEP GWQS		**3**	**6,000**	**4**	**70**	**300**	**5**	**50**	**2**	**40**	**40**	**50,000**
LN-2	1/27/2005	**13.4**	<200	<4.0	<10	**64,400**	<3.0	**312**	<0.20	<5.0	<10	**83,500**
	4/27/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/19/2005	**<5.0**	<200	<4.0	<10	**21,600**	<3.0	**267**	<0.20	<5.0	<10	**102,000**
	10/10/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	4/27/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/20/2006	**<8.0**	<200	<4.0	<10	**26,600**	3.8	**252**	<0.20	<10	<10	**81,500**
	10/20/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/23/2007	**<8.0**	<200	<4.0	<10	**33,500**	<3.0	**342**	<0.20	<10	<10	**99,000**
	4/17/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/27/2007	**<8.0**	<200	<4.0	<10	**19,100**	<3.0	**208**	<0.20	<10	<10	**85,200**
	10/29/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/10/2008	**<8.0**	<200	<4.0	<10	**37,200**	<3.0	**201**	<0.40	<10	<10	**62,200**
	4/14/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/21/2008	**10.1**	<200	<4.0	<10	**44,900**	<3.0	**297**	<0.20	<10	<10	**110,000**
	10/27/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/21/2009	<3.0	<200	<3.0	<10	**23,200**	<3.0	**150**	<0.20	<10	<10	36,100
	4/28/2009	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/28/2009	**3.7**	<200	<4.0	<10	**23,200**	<3.0	**227**	<0.20	<10	<10	**75,900**
	10/26/2009	<3.0	<200	<3.0	<10	**23,700**	<3.0	**349**	<0.20	<10	<10	**129,000**
	1/27/2010	**8.6**	<200	<3.0	<10	**50,700**	<3.0	**283**	<0.20	<10	<10	**86,300**
	4/5/2010	<3.0	<200	<3.0	<10	**16,500**	<3.0	**209**	<0.20	<10	<10	**73,900**
	7/21/2010	<3.0	<200	<3.0	<10	**24,300**	<3.0	**331**	<0.20	<10	<10	**136,000**
	10/26/2010	<3.0	<200	<3.0	<10	**19,000**	<3.0	**251**	<0.20	<10	<10	**115,000**
	1/19/2011	<3.0	<200	<3.0	<10	**27,000**	<3.0	**363**	<0.20	<10	<10	**98,900**
	4/20/2011	<3.0	<200	<3.0	<10	**23,300**	<3.0	**256**	<0.20	<10	<10	**71,200**
	7/21/2011	**9.1**	<200	<3.0	<10	**36,200**	<3.0	**148**	<0.20	<10	<10	42,500
	10/20/2011	<3.0	<200	<3.0	<10	**17,300**	<3.0	**276**	<0.20	<10	<10	**94,700**
	1/18/2012	<3.0	<200	<3.0	<10	**19,700**	<3.0	**309**	<0.20	<10	<10	**81,600**
	4/24/2012	**10.5**	<200	<3.0	<10	**82,800**	<3.0	**409**	<0.20	17.4	<10	**64,200**
	7/24/2012	<3.0	<200	<3.0	<10	**24,600**	NS	**340**	NS	<10	<10	**99,300**

Table 5
Groundwater Sampling Summary Table - Metals
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

		Metals										
Sample ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Iron**	**Lead**	**Manganese**	**Mercury**	**Selenium**	**Silver**	**Sodium**
NJDEP GWQS		**3**	**6,000**	**4**	**70**	**300**	**5**	**50**	**2**	**40**	**40**	**50,000**
LN-3	1/27/2005	**8.4**	<200	<4.0	<10	**84,700**	<3.0	**1,220**	<0.20	<5.0	<10	**168,000**
	4/27/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/19/2005	**<5.0**	<200	<4.0	<4.0	**71,000**	<3.0	**555**	<0.20	<5	<10	**226,000**
	10/10/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	4/27/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/20/2006	**<8.0**	<200	<4.0	<10	**50,900**	<3.0	**675**	<0.20	<10	<10	**175,000**
	10/20/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/23/2007	**<8.0**	<200	<4.0	<10	**65,400**	<3.0	**1,050**	<0.20	<10	<10	**144,000**
	4/17/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/27/2007	**<8.0**	<200	<4.0	<10	**52,500**	<3.0	**807**	<0.20	<10	<10	**174,000**
	10/29/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/10/2008	**<8.0**	<200	<4.0	<10	**64,500**	<3.0	**1,150**	<0.20	<10	<10	**157,000**
	4/14/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/21/2008	**16.1**	<200	<4.0	<10	**107,000**	<3.0	**645**	<0.20	12.8	<10	**223,000**
	10/27/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/21/2009	**4.6**	<200	<3.0	<10	**49,300**	<3.0	**1,300**	<0.20	<10	<10	**150,000**
	4/28/2009	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/28/2009	**10.8**	<200	<4.0	<10	**56,700**	<3.0	**971**	<0.20	<10	<10	**247,000**
	10/26/2009	**5.7**	<200	<3.0	<10	**47,800**	<3.0	**845**	<0.20	<10	<10	**245,000**
	1/27/2010	**6.4**	<200	<3.0	<10	**41,400**	<3.0	**674**	<0.20	<10	<10	**222,000**
	4/5/2010	**4.8**	<200	<3.0	<10	**61,600**	<3.0	**1,070**	<0.20	<10	<10	**321,000**
	7/21/2010	**28.0**	<200	<3.0	<10	**75,500**	<3.0	**489**	<0.20	<10	<10	**282,000**
	10/26/2010	**15.0**	<200	<3.0	<10	**43,700**	<3.0	**505**	<0.20	<10	<10	**275,000**
	1/19/2011	**23.0**	<200	<3.0	<10	**99,400**	<3.0	**356**	<0.20	<10	<10	**166,000**
	4/20/2011	**5.8**	<200	<3.0	<10	**96,100**	<3.0	**1,380**	<0.20	<10	<10	**427,000**
	7/21/2011	**17.2**	<200	<3.0	<10	**52,800**	<3.0	**616**	<0.20	<10	<10	**230,000**
	10/20/2011	**13.8**	<200	<3.0	<10	**36,000**	<3.0	**639**	<0.20	<10	<10	**205,000**
	1/18/2012	**48.5**	<200	3.1	<10	**128,000**	<3.0	**532**	<0.40	<10	<10	**149,000**
	4/24/2012	**11.7**	<200	<3.0	<10	**87,500**	<3.0	**1,390**	<0.20	16.2	<10	**714,000**
	7/24/2012	**43.6**	<200	<3.0	<10	**90,400**	NS	**527**	NS	<10	<10	**335,000**

Table 5
Groundwater Sampling Summary Table - Metals
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

		Metals										
Sample ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Iron**	**Lead**	**Manganese**	**Mercury**	**Selenium**	**Silver**	**Sodium**
NJDEP GWQS		**3**	**6,000**	**4**	**70**	**300**	**5**	**50**	**2**	**40**	**40**	**50,000**
LN-4	1/27/2005	**28.8**	<200	<4.0	<10	**105,000**	**6.3**	**702**	<0.20	<5.0	<10	**134,000**
	4/27/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/19/2005	**11.0**	<200	<4.0	<10	**27,300**	<3.0	**445**	<0.20	<5.0	<10	**84,100**
	10/10/2005	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	4/27/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/20/2006	**14.9**	<200	<4.0	<10	**46,300**	<3.0	**555**	<0.20	<10	<10	**119,000**
	10/20/2006	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/23/2007	**15.1**	<200	<4.0	<10	**43,800**	<3.0	**513**	<0.20	<10	<10	**138,000**
	4/17/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/27/2007	**14.4**	<200	<4.0	<10	**26,200**	**<15**	**346**	<0.20	<10	<10	**469,000**
	10/29/2007	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/10/2008	**10.5**	<200	<4.0	<10	**34,700**	<3.0	**468**	<0.20	<10	<10	**90,900**
	4/14/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/21/2008	**15.1**	<200	<4.0	<10	**37,300**	<3.0	**575**	<0.20	<10	<10	**97,900**
	10/27/2008	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	1/21/2009	**6.7**	<200	<3.0	<10	**19,800**	<3.0	**513**	<0.20	<10	<10	**117,000**
	4/28/2009	NS	NS	NS	<10	NS	<3.0	NS	NS	NS	NS	NS
	7/28/2009	**13.4**	<200	<4.0	<10	**24,400**	<3.0	**357**	<0.20	<10	<10	**70,800**
	10/26/2009	**10.7**	<200	<3.0	<10	**25,400**	<3.0	**435**	<0.20	<10	<10	**163,000**
	1/27/2010	**10.8**	<200	<3.0	<10	**24,900**	<3.0	**420**	<0.20	<10	<10	**181,000**
	4/5/2010	**6.8**	<200	<3.0	<10	**20,200**	<3.0	**306**	<0.20	<10	<10	**121,000**
	7/21/2010	**16.9**	<200	<3.0	**173**	**34,600**	<3.0	**393**	<0.20	<10	<10	**137,000**
	10/26/2010	**11.8**	<200	<3.0	<10	**21,400**	<3.0	**353**	<0.20	<10	<10	**153,000**
	1/19/2011	**5.3**	<200	<3.0	<10	**20,000**	<3.0	**373**	<0.20	<10	<10	**120,000**
	4/20/2011	**10.7**	<200	<3.0	<10	**23,300**	<3.0	**327**	<0.20	<10	<10	**119,000**
	7/21/2011	**13.4**	<200	<3.0	<10	**21,400**	<3.0	**318**	<0.20	<10	<10	**107,000**
	10/20/2011	**24.2**	<200	<3.0	<10	**40,700**	<3.0	**483**	<0.20	<10	<10	**139,000**
	1/18/2012	**10.0**	<200	<3.0	<10	**17,300**	<3.0	**233**	<0.20	<10	<10	**107,000**
	4/24/2012	**10.9**	<200	<3.0	<10	**29,100**	<3.0	**532**	<0.20	<10	<10	**94,700**
	7/24/2012	**16.3**	<200	<3.0	<10	**30,300**	NS	**342**	NS	<10	<10	**118,000**

Table 5
Groundwater Sampling Summary Table - Metals
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, Middlesex County, New Jersey

		Metals										
Sample ID	**Date**	**Arsenic**	**Barium**	**Cadmium**	**Chromium**	**Iron**	**Lead**	**Manganese**	**Mercury**	**Selenium**	**Silver**	**Sodium**
NJDEP GWQS		**3**	**6,000**	**4**	**70**	**300**	**5**	**50**	**2**	**40**	**40**	**50,000**
LN-5	10/26/2010	<3.0	<200	<3.0	<10	**2,410**	**6.9**	45.2	<0.20	<10	<10	10,300
	1/19/2011	t locate due to snow.										
	4/20/2011	<3.0	<200	<3.0	<10	**3,440**	**6.6**	**95.9**	<0.20	<10	<10	<10,000
	7/21/2011	<3.0	<200	<3.0	<10	**2,660**	**7.2**	41.8	<0.20	<10	<10	13,000
	10/20/2011	**5.1**	<200	<3.0	<10	**7,160**	**14.1**	46.6	<0.20	<10	<10	<10,000
	1/18/2012	**6.6**	<200	<3.0	12.6	**12,300**	**23.2**	**64.6**	0.26	<10	<10	<10,000
	4/24/2012	<3.0	<200	<3.0	<10	**601**	<3.0	20.1	<0.20	<10	<10	<10,000
	7/24/2012	**3.4**	<200	<3.0	<10	**6,070**	NS	49.5	NS	<10	<10	11,500
LN-6	10/26/2010	**35.8**	<200	<3.0	36.1	**73,700**	**58.5**	**1,150**	0.77	<10	<10	**146,000**
	1/19/2011	**9.0**	<200	<3.0	<10	**47,300**	<3.0	**949**	<0.20	<10	<10	**143,000**
	4/20/2011	**3.0**	<200	<3.0	<10	**32,400**	<3.0	**1,060**	<0.20	<10	<10	**167,000**
	7/21/2011	**9.2**	<200	<3.0	<10	**48,000**	<3.0	**1,120**	<0.20	<10	<10	**144,000**
	10/20/2011	**9.3**	<200	<3.0	<10	**43,600**	<3.0	**1,300**	<0.20	<10	<10	**159,000**
	1/18/2012	**25.2**	<200	<3.0	<10	**87,800**	<3.0	**436**	<0.20	<10	<10	**71,500**
	4/24/2012	**12.9**	<200	<3.0	<10	**48,400**	<3.0	**545**	<0.20	11.2	<10	**85.800**
	7/24/2012	**7.9**	<200	<3.0	<10	**41,200**	NS	**1,080**	NS	<10	<10	**131,000**
LN-7	10/26/2010	**9.6**	<200	<3.0	<10	**14,900**	4	**788**	<0.20	<10	<10	**196,000**
	1/19/2011	**7.9**	<200	<3.0	<10	**23,100**	<3.0	**1,050**	<0.20	<10	<10	**209,000**
	4/20/2011	**9.3**	<200	<3.0	<10	**23,400**	<3.0	**1,100**	<0.20	<10	<10	**135,000**
	7/21/2011	**9.5**	<200	<3.0	<10	**20,800**	<3.0	**1,220**	<0.20	<10	<10	**198,000**
	10/20/2011	**11.0**	<200	<3.0	<10	**12,900**	<3.0	**729**	<0.20	<10	<10	**211,000**
	1/18/2012	**5.0**	<200	<3.0	<10	**13,500**	<3.0	**791**	<0.20	<10	<10	**205,000**
	4/24/2012	**8.1**	<200	<3.0	<10	**39,600**	<3.0	**1,170**	<0.20	<10	<10	22,400
	7/24/2012	**8.3**	<200	<3.0	<10	**15,500**	NS	**736**	NS	<10	<10	**139,000**

All data is reported in ug/kg unless otherwise noted
ND- Not Detected
NA- Not Analyzed/ Not Applicable
NS- Not Sampled
NR- Not Reported
J- Estimate Value

Table6
Groundwater Sampling Summary Table - General Chemistry
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

General Chemistry															
Sample ID	Date	Nitrogen, Ammonia (mg/L)	Nitrogen, Nitrate (mg/L)	Nitrogen, Nitrite (mg/L)	Nitrogen, Nitrate + Nitrite (mg/L)	Phenols (mg/L)	Total Organic Carbon (mg/L)	Fluoride (mg/L)	Total Organic Halides (mg/L)	Solids, Total Dissolved (mg/L)	Coliform, Total (col/100mL)	Chloride (mg/L)	Sulfate (mg/L)	Specific Conductivity (uS/cm)	pH
NJDEP GWQS		3	10	1	10	2	NA	2	NA	500	NA	250	250	NA	6.5 - 8.5
LN-1	1/27/2005	4.0	<0.11	<0.010	<0.10	<0.20	7.0	0.83	<0.20	1,410	<2	509	379	97.2	6.23
	4/27/2005	NS	NS	NS	NS	NS	9.1	NS	<0.20	NS	NS	NS	NS	1,490	6.87
	7/19/2005	4.1	0.13	<0.010	0.13	<0.20	6.8	0.81	<0.20	1,080	NA	368	292	1,500	6.42
	10/10/2005	NS	NS	NS	NS	NS	5.6	NS	<0.20	NS	NS	NS	NS	1,310	6.36
	4/27/2006	NS	NS	NS	NS	NS	7.1	NS	<0.20	NS	NS	NS	NS	1,910	6.72
	7/20/2006	3.8	<0.11	<0.010	<0.10	<0.20	9.0	1.1	<0.10	979	<5	292	245	1,850	6.22
	10/20/2006	NS	NS	NS	NS	NS	8.1	NS	<0.050	NS	NS	NS	NS	1,640	7.35
	1/23/2007	7.7	<0.11	<0.010	<0.10	<0.20	13.6	0.48	0.35	6,000	<5	5,170	1080	11,000	6.2
	4/17/2007	NS	NS	NS	NS	NS	10.1	NS	<0.10	NS	NS	NS	NS	16,800	7.0
	7/27/2007	6.1	<0.15	<0.050	<0.10	<0.20	10.3	0.77	<0.10	6,250	<2	3,750	608	11,300	6.23
	10/29/2007	NS	NS	NS	NS	NS	10.5	NS	<0.050	NS	NS	NS	NS	6,500	6.31
	1/10/2008	3.6	<0.11	<0.010	<0.10	<0.20	7.9	0.83	<0.10	2,550	<2	1,390	283	505	6.48
	4/14/2008	NS	NS	NS	NS	NS	8.9	NS	<0.10	NS	NS	NS	NS	2,910	6.65
	7/21/2008	4.9	<0.11	<0.010	<0.10	<0.20	9.4	1.2	<0.050	1,900	<5	925	188	3,630	6.56
	10/27/2008	NS	NS	NS	NS	NS	8.1	NS	<0.050	NS	NS	NS	NS	3,030	6.58
	1/21/2009	5.1	<0.11	<0.010	<0.10	<0.20	7.9	0.88	<0.050	1,610	<4	840	136	2,900	6.6
	4/28/2009	NS	NS	NS	NS	NS	6.6	NS	<0.050	NS	NS	NS	NS	2,940	6.38
	7/28/2009	4.3	<0.11	<0.010	<0.10	<0.20	6.4	1.7	<0.050	1,030	<4	602	132	2,370	6.38
	10/26/2009	5.4	<0.11	<0.010	<0.10	<0.20	9.8	1.2	<0.10	1,510	12	779	100	2,990	6.37
	1/27/2010	5.0	<0.11	<0.010	<0.10	<0.20	8.6	0.88	<0.10	1,380	<4	655	60	728	7.33
	4/5/2010	5.9	0.17	<0.010	0.17	<0.20	9.5	1.0	<0.10	1,390	<5	591	80	0.402	7.09
	7/21/2010	4.7	<0.11	<0.010	<0.10	<0.20	16.0	1.4	<0.10	1,170	<4	492	77.8	1.84	6.42
	10/26/2010	4.5	<0.11	<0.010	<0.10	<0.20	12.5	1.6	<0.050	1,090	<4	435	53.2	2.06	6.31
	1/19/2011	4.4	<0.11	<0.010	<0.10	<0.20	9.2	1.1	<0.050	1,020	<4	416	37.5	2.18	6.66
	4/20/2011	3.6	<0.11	<0.010	<0.10	<0.20	9.7	1.1	<0.050	1,040	<4	389	51.6	1.95	6.96
	7/21/2011	5.3	<0.11	<0.010	<0.10	<0.20	9.9	<0.20	<0.060	754	2	2.5	<10	1.58	7.00
	10/20/2011	5.0	<0.11	<0.010	<0.10	<0.20	8.1	1.4	<0.20	913	400	381	22.5	1.76	6.09
	1/18/2012	3.5	<0.11	<0.010	<0.10	<0.20	10.4	1.1	<0.20	998	<4	364	28.4	1.71	7.18
	4/24/2012	4.8	<0.11	<0.010	<0.10	<0.20	8.1	1.1	<0.20	998	<4	380	33.4	1.98	6.78
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.10	40.0	4	NS	NS	NS	NS

Table6
Groundwater Sampling Summary Table - General Chemistry
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

		General Chemistry													
Sample ID	**Date**	**Nitrogen, Ammonia (mg/L)**	**Nitrogen, Nitrate (mg/L)**	**Nitrogen, Nitrite (mg/L)**	**Nitrogen, Nitrate + Nitrite (mg/L)**	**Phenols (mg/L)**	**Total Organic Carbon (mg/L)**	**Fluoride (mg/L)**	**Total Organic Halides (mg/L)**	**Solids, Total Dissolved (mg/L)**	**Coliform, Total (col/100mL)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Specific Conductivity (uS/cm)**	**pH**
NJDEP GWQS		**3**	**10**	**1**	**10**	**2**	**NA**	**2**	**NA**	**500**	**NA**	**250**	**250**	**NA**	**6.5 - 8.5**
LN-2	7/20/2006	1.6	<0.11	<0.010	<0.10	<0.20	4.4	0.48	<0.050	264	<5	68.9	4.9	806	6.83
	10/20/2006	NS	NS	NS	NS	NS	3.9	NS	<0.050	NS	NS	NS	NS	593	7.18
	1/23/2007	1.9	<0.11	<0.010	<0.10	<0.20	3.6	1.2	0.21	441	<5	156	21.8	811	6.99
	4/17/2007	NS	NS	NS	NS	NS	2.7	NS	<0.050	NS	NS	NS	NS	410	7.66
	7/27/2007	2.7	<0.11	<0.10	<0.10	<0.20	4.5	0.84	<0.050	441	<4	159	<10	1,090	**6.47**
	10/29/2007	NS	NS	NS	NS	NS	4.2	NS	<0.10	NS	NS	NS	NS	7,990	6.54
	1/10/2008	1.5	<0.11	0.01	<0.10	<0.20	3.6	1.0	<0.050	411	<4	144	<10	723	6.84
	4/14/2008	NS	NS	NS	NS	NS	2.2	NS	<0.050	NS	NS	NS	NS	277	6.68
	7/21/2008	2.3	<0.11	<0.010	<0.10	<0.20	4.1	1.0	<0.050	469	TNTC	166	<20	842	6.71
	10/27/2008	NS	NS	NS	NS	NS	5.6	NS	<0.050	NS	NS	NS	NS	560	6.87
	1/21/2009	1.3	<0.11	<0.010	<0.10	<0.20	3.1	1.0	<0.050	284	<4	103	10.2	353	7.02
	4/28/2009	NS	NS	NS	NS	NS	2.4	NS	<0.050	NS	NS	NS	NS	1,010	**6.39**
	7/28/2009	1.2	<0.11	<0.010	<0.10	<0.20	3.3	0.63	<0.050	240	<4	95.4	<10	874	6.68
	10/26/2009	2.7	<0.11	<0.010	<0.10	<0.20	4.8	1.3	<0.050	469	<4	158	11.3	9,290	8.23
	1/27/2010	1.9	<0.11	<0.010	<0.10	<0.20	4.4	1.2	<0.10	317	<4	110	<10	728	7.26
	4/5/2010	1.5	<0.11	<0.010	<0.10	<0.20	3.3	1.3	<0.050	288	500	79.2	11.3	0.558	**6.42**
	7/21/2010	2.8	<0.11	<0.010	<0.10	<0.20	4.4	1.4	<0.050	**507**	4	178	10.2	0.358	6.9
	10/26/2010	2.5	<0.11	<0.010	<0.10	<0.20	4.4	1.4	<0.050	422	<5	130	12.3	0.911	6.55
	1/19/2011	2.1	<0.11	<0.010	<0.10	<0.20	3.5	1.1	<0.050	400	<4	134	<10	0.802	6.81
	4/20/2011	1.6	<0.11	<0.010	<0.10	<0.20	3.2	1.2	<0.050	327	16	105	<10	0.55	7.00
	7/21/2011	1.0	<0.11	<0.010	<0.10	<0.20	2.8	0.45	<0.050	199	28	47.6	<10	0.843	7.13
	10/20/2011	2.5	<0.11	<0.010	<0.10	<0.20	3.3	1.1	<0.20	379	16	119	11.8	0.842	7.12
	1/18/2012	1.2	<0.11	<0.010	<0.10	<0.20	3.5	0.99	<0.050	299	20	104	<10	0.664	7.00
	4/24/2012	2.1	<0.11	<0.010	<0.10	<0.20	3.8	0.48	<0.20	356	<4	134	<10	0.705	7.05
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.10	445	<4	NS	NS	NS	NS

Table6
Groundwater Sampling Summary Table - General Chemistry
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

		General Chemistry													
Sample ID	**Date**	**Nitrogen, Ammonia (mg/L)**	**Nitrogen, Nitrate (mg/L)**	**Nitrogen, Nitrite (mg/L)**	**Nitrogen, Nitrate + Nitrite (mg/L)**	**Phenols (mg/L)**	**Total Organic Carbon (mg/L)**	**Fluoride (mg/L)**	**Total Organic Halides (mg/L)**	**Solids, Total Dissolved (mg/L)**	**Coliform, Total (col/100mL)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Specific Conductivity (uS/cm)**	**pH**
NJDEP GWQS		**3**	**10**	**1**	**10**	**2**	**NA**	**2**	**NA**	**500**	**NA**	**250**	**250**	**NA**	**6.5 - 8.5**
LN-3	1/27/2005	1.9	<0.11	<0.010	<0.10	<0.20	23.7	0.81	0.22	**628**	<2	**291**	3.1	1,240	6.54
	4/27/2005	NS	NS	NS	NS	NS	14.7	NS	0.27	NS	NS	NS	NS	1,550	6.76
	7/19/2005	**3.8**	0.13	<0.010	0.13	<0.20	42.0	0.57	<0.050	**854**	NA	**382**	<20	1,200	6.59
	10/10/2005	NS	NS	NS	NS	NS	11.3	NS	<0.20	NS	NS	NS	NS	1,250	6.66
	4/27/2006	NS	NS	NS	NS	NS	13.2	NS	<0.20	NS	NS	NS	NS	38	6.78
	7/20/2006	**3.8**	<0.11	<0.010	<0.10	<0.20	12.2	0.71	<0.10	**710**	<5	245	2	1,160	6.65
	10/20/2006	NS	NS	NS	NS	NS	13.8	NS	<0.050	NS	NS	NS	NS	1,260	6.57
	1/23/2007	**3.9**	<0.11	<0.010	<0.10	<0.20	16.2	0.84	<0.20	**571**	<5	170	<10	988	**6.46**
	4/17/2007	NS	NS	NS	NS	NS	14.2	NS	<0.10	NS	NS	NS	NS	1,190	**6.27**
	7/27/2007	**4.2**	<0.11	<0.010	<0.10	<0.20	16.0	0.84	<0.10	**666**	NA	249	<10	1,150	**5.98**
	10/29/2007	NS	NS	NS	NS	NS	15.8	NS	<0.050	NS	NS	NS	NS	14,700	**6.39**
	1/10/2008	**3.3**	0.13	0.025	0.15	<0.20	16.4	0.77	<0.050	**606**	<4	208	<10	1,240	6.57
	4/14/2008	NS	NS	NS	NS	NS	16.4	NS	<0.050	NS	NS	NS	NS	1,750	6.71
	7/21/2008	**3.4**	<0.11	<0.010	<0.10	<0.20	12.0	0.8	<0.050	**772**	TNTC	**341**	<20	1,630	6.68
	10/27/2008	NS	NS	NS	NS	NS	11.3	NS	<0.050	NS	NS	NS	NS	1,160	6.73
	1/21/2009	**3.9**	<0.20	<0.10	<0.10	<0.20	15.1	0.62	0.01	**618**	<4	**261**	<10	1,230	6.73
	4/28/2009	NS	NS	NS	NS	NS	12.8	NS	<0.10	NS	NS	NS	NS	3,280	**6.34**
	7/28/2009	**3.6**	<0.11	<0.010	<0.10	<0.20	20.6	0.68	<0.050	**935**	<4	**517**	<10	1,620	6.59
	10/26/2009	**3.9**	<0.11	<0.010	<0.10	<0.20	16.3	0.77	<0.20	**893**	<4	**391**	<10	1,780	**6.26**
	1/27/2010	2.9	<0.11	<0.010	<0.10	<0.20	9.7	0.54	<0.10	**798**	<4	**385**	<10	189	7.9
	4/5/2010	**3.5**	0.25	<0.010	0.25	<0.20	13.1	0.48	<0.050	**1,530**	35	**876**	<10	2.71	**6.14**
	7/21/2010	**3.1**	<0.11	<0.010	<0.10	<0.20	13.7	0.72	<0.10	**964**	<4	**445**	<10	2.04	6.71
	10/26/2010	**3.4**	<0.11	<0.010	<0.10	<0.20	14.0	0.66	<0.10	**977**	40	**319**	<10	1.78	7.05
	1/19/2011	2.6	0.13	<0.010	0.13	<0.20	9.1	0.54	<0.20	**623**	<4	216	<10	1.32	7.00
	4/20/2011	**3.2**	<0.11	<0.010	<0.10	<0.20	8.1	0.43	<0.10	**2,120**	8	**1,090**	<10	4.09	7.04
	7/21/2011	**3.3**	<0.11	<0.010	<0.10	<0.20	15.2	0.60	<0.060	**869**	70	**395**	<10	2.09	6.72
	10/20/2011	**3.0**	<0.11	<0.010	<0.10	<0.20	9.9	0.65	0.33[a]	**739**	48	234	<10	1.35	7.28
	1/18/2012	1.2	<0.11	<0.010	<0.10	<0.20	13.2	0.56	<0.10	**557**	28	191	<10	1.23	7.90
	4/24/2012	2.9	<0.11	<0.010	<0.10	<0.20	4.3	0.28	<0.050	**3,450**	<4	1,720	18.3	6.06	6.60
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.20	**1,270**	1,340	NS	NS	NS	NS

Table6
Groundwater Sampling Summary Table - General Chemistry
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

		General Chemistry													
Sample ID	Date	Nitrogen, Ammonia (mg/L)	Nitrogen, Nitrate (mg/L)	Nitrogen, Nitrite (mg/L)	Nitrogen, Nitrate + Nitrite (mg/L)	Phenols (mg/L)	Total Organic Carbon (mg/L)	Fluoride (mg/L)	Total Organic Halides (mg/L)	Solids, Total Dissolved (mg/L)	Coliform, Total (col/100mL)	Chloride (mg/L)	Sulfate (mg/L)	Specific Conductivity (uS/cm)	pH
NJDEP GWQS		**3**	**10**	**1**	**10**	**2**	**NA**	**2**	**NA**	**500**	**NA**	**250**	**250**	**NA**	**6.5 - 8.5**
LN-4	1/27/2005	1.7	<0.11	<0.010	<0.10	<0.20	<10	1.6	<0.20	**586**	<2	**256**	3.9	909	7.16
	4/27/2005	NS	NS	NS	NS	NS	9.0	NS	0.29	NS	NS	NS	NS	931	7.25
	7/19/2005	2.1	<0.11	<0.010	<0.10	<0.20	5.9	1.3	<0.050	400	NA	165	<20	700	6.9
	10/10/2005	NS	NS	NS	NS	NS	4.7	NS	<0.20	NS	NS	NS	NS	799	7.01
	4/27/2006	NS	NS	NS	NS	NS	7.4	NS	<0.20	NS	NS	NS	NS	753	7.11
	7/20/2006	2.3	<0.11	<0.010	<0.10	<0.20	5.5	1.2	<0.050	**513**	<5	206	<2.0	1,210	6.73
	10/20/2006	NS	NS	NS	NS	NS	6.9	NS	<0.10	NS	NS	NS	NS	878	6.68
	1/23/2007	2.2	<0.11	<0.010	<0.10	<0.20	6.9	1.4	<0.20	469	<5	184	<10	810	6.88
	4/17/2007	NS	NS	NS	NS	NS	6.2	NS	<0.050	NS	NS	NS	NS	723	6.7
	7/27/2007	1.8	<0.11	<0.010	<0.10	<0.20	6.1	1.5	<0.10	420	<4	147	<10	869	6.7
	10/29/2007	NS	NS	NS	NS	NS	7.3	NS	<0.050	NS	NS	NS	NS	6,860	6.6
	1/10/2008	1.9	<0.11	<0.010	<0.10	<0.20	5.0	1.3	<0.050	407	<4	173	<10	850	6.98
	4/14/2008	NS	NS	NS	NS	NS	4.8	NS	<0.050	NS	NS	NS	NS	369	7.17
	7/21/2008	1.8	<0.11	<0.010	<0.10	<0.20	3.9	1.3	<0.050	457	TNTC	196	<20	951	7.02
	10/27/2008	NS	NS	NS	NS	NS	4.4	NS	<0.050	NS	NS	NS	NS	793	7.06
	1/21/2009	1.8	<0.15	<0.050	<0.10	<0.20	4.5	1.2	<0.20	421	<4	213	<10	999	7.11
	4/28/2009	NS	NS	NS	NS	NS	4.4	NS	<0.050	NS	NS	NS	NS	485	6.82
	7/28/2009	1.7	<0.11	<0.010	<0.10	<0.20	4.9	1.5	<0.050	228	<4	76.4	<10	518	6.76
	10/26/2009	2.9	<0.11	<0.010	<0.10	<0.20	5.0	1.4	<0.10	**595**	<4	**269**	<10	127	7.5
	1/27/2010	2.7	<0.11	<0.010	<0.10	<0.20	4.1	1.4	<0.10	**641**	<4	**291**	<10	147	8.08
	4/5/2010	1.8	0.12	<0.010	0.12	<0.20	4.4	1.5	<0.050	451	95	189	<10	0.519	6.89
	7/21/2010	1.9	<0.11	<0.010	<0.10	<0.20	5.9	1.6	<0.050	488	<4	192	<10	0.875	7.14
	10/26/2010	2.4	<0.11	<0.010	<0.10	<0.20	4.7	1.5	<0.050	**589**	100	238	<10	1.12	7.47
	1/19/2011	2.1	<0.11	<0.010	<0.10	<0.20	4.4	1.4	<0.050	418	<4	143	<10	0.992	7.49
	4/20/2011	1.9	<0.11	<0.010	<0.10	<0.20	5.8	1.6	<0.20	474	24	139	<10	0.864	7.53
	7/21/2011	2.3	<0.11	<0.010	<0.10	<0.20	4.4	1.4	<0.050	433	<2	148	<10	0.918	7.32
	10/20/2011	2.7	<0.11	<0.010	<0.10	<0.20	<0.20	1.4	<0.20	**544**	4,300	201	<10	1.04	**6.23**
	1/18/2012	1.8	<0.11	<0.010	<0.10	<0.20	4.0	<0.20	<0.050	327	76	140	<10	0.764	7.50
	4/24/2012	2.0	<0.11	<0.010	<0.10	<0.20	4.1	1.2	<0.050	418	<4	144	<10	0.817	7.05
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.050	443	172	NS	NS	NS	NS

Table6
Groundwater Sampling Summary Table - General Chemistry
North Landfarm (Area of Concern #1)
Hess - Port Reading Refinery
750 Cliff Road
Port Reading, New Jersey

		General Chemistry													
Sample ID	**Date**	**Nitrogen, Ammonia (mg/L)**	**Nitrogen, Nitrate (mg/L)**	**Nitrogen, Nitrite (mg/L)**	**Nitrogen, Nitrate + Nitrite (mg/L)**	**Phenols (mg/L)**	**Total Organic Carbon (mg/L)**	**Fluoride (mg/L)**	**Total Organic Halides (mg/L)**	**Solids, Total Dissolved (mg/L)**	**Coliform, Total (col/100mL)**	**Chloride (mg/L)**	**Sulfate (mg/L)**	**Specific Conductivity (uS/cm)**	**pH**
NJDEP GWQS		**3**	**10**	**1**	**10**	**2**	**NA**	**2**	**NA**	**500**	**NA**	**250**	**250**	**NA**	**6.5 - 8.5**
LN-5	10/26/2010	<0.20	2.7	<0.010	2.7	<0.20	2.4	<0.20	<0.050	103	40	7.3	34.4	0.136	7.02
	1/19/2011	Could not locate due to snow.													
	4/20/2011	<0.21	0.70	<0.010	0.70	<0.20	1.3	<0.20	<0.050	116	<2	12.8	33.1	0.139	**4.87**
	7/21/2011	<0.20	0.90	<0.010	0.90	<0.20	2.4	<0.20	<0.050	128	<4	18.6	33.0	0.177	**4.50**
	10/20/2011	<0.20	1.1	<0.010	1.1	<0.20	2.7	<0.20	<0.20	65.0	16	2.6	25.8	0.118	6.70
	1/18/2012	<0.20	0.91	<0.010	0.91	<0.20	1.6	<0.20	<0.050	<10	8	2.6	20.6	0.069	7.19
	4/24/2012	<0.20	1.2	<0.010	1.2	<0.20	1.0	<0.20	>0.050	72.0	<4	6.1	24.1	0.14	**6.19**
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.050	111	920	NS	NS	NS	NS
LN-6	10/26/2010	2.9	<0.11	<0.010	<0.10	<0.20	12.2	1.3	<0.10	**692**	24	247	82.2	1.36	7.12
	1/19/2011	2.5	<0.11	<0.010	<0.10	<0.20	7.2	0.86	<0.10	**643**	<4	245	71	1.44	7.85
	4/20/2011	<0.20	<0.11	<0.010	<0.10	<0.20	5.0	0.74	<0.050	**704**	12	**268**	55.6	1.30	6.69
	7/21/2011	**3.8**	<0.11	<0.010	<0.10	<0.20	7.3	1.3	<0.050	**670**	<2	191	92.0	1.31	**6.09**
	10/20/2011	**3.1**	<0.11	<0.010	<0.10	<0.20	5.4	1.1	<0.20	**675**	72	170	54.1	1.32	7.33
	1/18/2012	1.3	<0.11	<0.010	<0.10	<0.20	9.8	0.91	<0.10	339	8	102	30.6	0.87	7.49
	4/24/2012	2.0	<0.11	<0.010	<0.10	<0.20	7.9	1.0	<0.20	438	<4	133	40.3	1.06	6.93
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.10	**537**	<4	NS	NS	NS	NS
LN-7	10/26/2010	2.3	<0.11	<0.010	<0.10	<0.20	5.5	1.3	<0.050	**830**	<4	**343**	17.1	1.62	6.83
	1/19/2011	1.3	<0.11	<0.010	<0.10	<0.20	4.5	1.2	<0.10	**737**	<4	**253**	39.4	1.58	7.09
	4/20/2011	1.7	<0.11	<0.010	<0.10	<0.20	11.4	0.86	<0.050	**718**		231	34.5	1.35	7.29
	7/21/2011	**3.0**	<0.11	<0.010	<0.10	<0.20	10.1	1.0	<0.050	**816**	28	**308**	23.5	1.55	7.39
	10/20/2011	2.3	<0.11	<0.010	<0.10	<0.20	5.8	1.4	<0.20	**705**	88	**250**	<10	1.41	**6.15**
	1/19/2012	1.4	0.47	<0.010	0.47	<0.20	4.6	1.2	<0.050	**702**	<4	248	<10	1.23	7.57
	4/24/2012	1.6	<0.11	<0.010	<0.10	<0.20	6.4	1.1	<0.10	**577**	<4	173	25.9	0.327	**5.68**
	7/24/2012	NS	NS	<0.010	NS	<0.20	NS	NS	<0.10	**500**	276	NS	NS	NS	NS

ND- Not Detected
NA- Not Applicable
NS- Not Sampled
NR- Not Reported
J- Estimate Value

Appendix A

NJDEP Memo- June 10, 2009

New Jersey Department of Environmental Protection
Division of Remediation Management and Response
Hazardous Site Science Element

M E M O R A N D U M

To: Phil Cole, Case Manager/BCM

From: Jill Monroe, Geologist/BGWPA

Subject: Amerada Hess Corporation (Port Reading Refinery)
February 2009 - North and South Landfarm Soil Data Evaluation and Proposed Monitor Well Locations

PI Number: 006148

Job Number/Activity Code: M25ACC70R/V65H

Memorandum: June 10, 2009

Introduction:
This summary was provided to NJDEP to consolidate information from several reports in a manner that would help finalize closure plans and post closure groundwater monitoring well locations.

North Landfarm Monitor Well Locations:
Reposition monitor wells as shown on the attached North Landfarm figure to be on downgradient flow paths from locations that exceeded IGWSCC, and are within 10 feet (if possible) downgradient of the landfarm. Existing LN-2 and LN-4 are sidegradient of the current unit.

Please note: LN-4 is downgradient of a portion of a larger North Landfarm area that appears in 1979 and 1980 aerial photographs. A well at the LN-4 location must be maintained that is screened across the water table.

Limited soil sampling was conducted outside of the North Landfarm in the extended landfarm area referenced above. This area needs to have additional soil sampling to determine if it needs to be included in the closure plan (part of uncapped unit and part of closure plan/RCRA deed notice; consolidated within the capped unit; etc.). A soil RIW is required for this area unless some explanation can be given and accepted that indicates it is not part of the unit.

With the new wells and soil sample data, Hess should be able to finalize the closure plan and well locations and NJDEP should be able to proceed with approving the closure plan and issuance of a post closure monitoring program for the North Landfarm.

South Landfarm Monitor Well Locations:
There is contamination throughout the unit that exceeds IGWSCC but some areas are worse than others. NAPL is present along the side of the landfarm at SB-3, SB-4, and SBG-9, and the highest VOC contamination is present through the center of the landfarm at SB-27, SB-12, SB-31, SB-14 and SB-15. Flow conditions are not consistent making it difficult to locate the new wells. The reasons for this may include different well screen intervals, different fill materials, variable perched water zones, surface infiltration around a well, etc.

BGWPA recommends the following well locations as shown on the attached South Landfarm figure, recognizing that further modifications may be necessary to understand contaminant migration flow paths from this unit and/or discern the contributing sources:

- LS-1R should be maintained for elevation measurements and an additional background well located between the landfarm and Avenue B that upgradient of grid SB-6 and SB-11;
- one well on the side near grid SB-3/SB-4 (NAPL);
- one well on the side near grid SB-23/SB-24; and
- three wells on the remaining downgradient side at grid SB-5 (downgradient of NAPL cells), SB-15 (downgradient of the most contaminated center area) and SB-33/SB-34 (downgradient of other contamination within the unit).

The wells need to be within 10 feet downgradient of the landfarm materials. The majority of the compound specific VOC contamination is in the 2-4 and 4-6 foot intervals bgs, although there is also contamination in the 0-2 and 6-8 foot intervals. This area of contamination, as well as the depth to water, must be considered in locating the screen interval of the wells. Locating wells outside of the future cap is not the concern right now as closure of the South Landfarm is deferred pending characterization of the landfarm and investigation of the underlying and surrounding AOCs.

More detail is needed on the figures to show the inside and outside limits of the South Landfarm berm and the location of the underlying oily water lagoon berm. It is the present understanding that the former lagoon was filled, not leveled. If this is the case, then additional investigation is recommended using AGWS at locations that are **inside** the limits of the former oily water lagoon berm and **outside**. This may help determine if dissolved contamination migration associated with the landfarm (if present) is affected by the berm of former lagoon unit(s).

Additional Investigation – South Landfarm Area:
The borings labeled SB-3 and SB-4 identified product. SBG-9 had a sheen on the core barrel. These observations show that NAPL delineation is needed as part of the investigation of several overlapping Areas of Concern, including at a minimum, the South Landfarm, Former Oily Waste Lagoon/mini-lagoon, the Colonial Pipeline Release.

SBG-7 had the highest soil VOC contaminant concentrations (xylenes at 11.6 mg/kg, ethylbenzene at 4.88 mg/kg; benzene at 0.185 mg/kg and toluene at 0.279 mg/kg). In the 0-2 foot interval, this may reflect a more recent release that needs to be investigated and remediated.

Please call me at 3-1265 if you have any questions on the above.

Attachments

C: Tracy Grabiak
Ann Charles

Appendix B

Monitoring Well Boring Logs and Form B's

Form DWR-133 (4/82)

Mail to
Water Allocation
CN-029
Trenton, N.J. 08625

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

25 LN-1

Permit No. 26-8130
26.31.68132

Owner AMERADA HESS

Address 1 HESS PLAZA
WOODBURY, NJ

Name of Facility PORT READING REFINERY

Address STATE ST
PORT READING, NJ

Driller JOSEPH TABASCO

Address c/o LIPPINCOTT ENGINEERING
501 BURLINGTON AVE
DELANCO, NJ 08075

Diameter of Well	Proposed Depth of Well
4 Inches	25 to 30 Feet
Proposed Capacity of Pump	**Method of Drilling** *(cable-tool, rotary, etc.)*
N/A G.P.M.	
Use of Well *(See Reverse)*	
GROUNDWATER MONITORING	

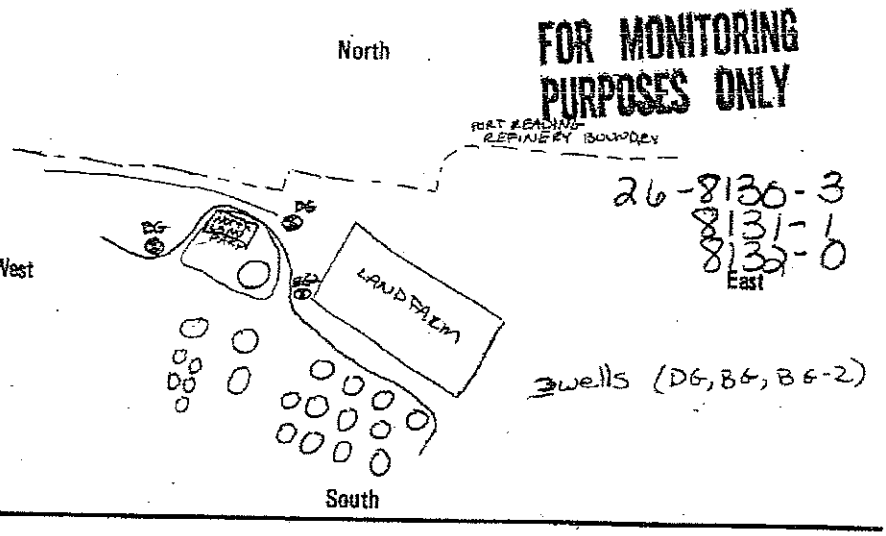
LEA Job # 3929.1

LOCATION OF WELL

Lot#	Block#	Municipality	County
		PORT READING	MIDDLESEX

State Atlas Map No. 26

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- ☐ Samples of cuttings required every _____ feet.
- ☐ **Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ **Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- ☐ **Industrial/Commerical Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ **Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp

WELL PERMIT
APPROVED
OCT 16 1985
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as decribed above.

Date _____ Signature of Owner _____

WATER ALLOCATION COPY

WELPMT 068 0710

LN1

Form DWR- 138
11/80

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

26-31-819

WELL RECORD

PERMIT NO. #26-8130-3

APPLICATION NO. _____

COUNTY MIDDLESEX

1. OWNER AMERADA HESS ADDRESS PORT READING, NJ
   Owner's Well No. BG SURFACE ELEVATION 11.4 Feet (Above mean sea level)
2. LOCATION NORTH LAND FILL
3. DATE COMPLETED 10-16-85 DRILLER B. WOODINGTON
4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH _____ Feet
5. CASING: Type PVC Diameter 4 Inches Length _____ Feet
6. SCREEN: Type PVC Size of Opening .020" Diameter 4 Inches Length 10 Feet
   Range in Depth { Top _____ Feet / Bottom _____ Feet } Geologic Formation RARITAN-MAGOTHY
   Tail Piece: Diameter _____ Inches Length _____ Feet
7. WELL FLOWS NATURALLY - Gallons per minute at _____ Feet above surface
   Water rises to _____ Feet above surface
8. RECORD OF TEST: Date 10-18-85 Yield 5 Gallons per minute
   Static water level before pumping 4' 6" Feet below surface
   Pumping level 5' 2" feet below surface after 2 hours pumping
   Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
   How pumped SHALLOW WELL JET How measured VOLUMETRICALLY
   Observed effect on nearby wells _____
9. PERMANENT PUMPING EQUIPMENT: NO
   Type _____ Mfrs. Name _____
   Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____
   Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet
   Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches
10. USED FOR GROUND WATER AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }
11. QUALITY OF WATER N/A Sample: Yes _____ No _____
    Taste _____ Odor _____ Color _____ Temp. _____ °F.
12. LOG SEE ATTACHED Are samples available? _____
    (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA DRILLER'S OBSERVATIONS
14. DATA OBTAINED BY Joe Tabasco Date _____

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

LN1

LIPPINCOTT ENGINEERING ASSOCIATES

501 BURLINGTON AVENUE DELANCO, N.J. 08075

PROJECT NO. 3929.A1
DATE 10/16/85

26-31-819
26-8130

SHEET 7 OF 7
SURFACE ELEV 11.4

PROJECT: WELL INSTALLATION/NO. 1 LAND FARM CLIENT AMERADA HESS

LOCATION PORT READING REFINERY LOG OF BORING NO. BG

Permit No. 26-8130

DEPTH	SAMPLE NUMBER	TYPE*	SAMPLE DEPTH	NUMBER OF BLOWS PER 6"	CLASSIFICATION OF MATERIALS BASED ON SAMPLES RECOVERED PLUS OBSERVATION OF MATERIAL RETURNED BETWEEN SAMPLES	MOISTURE CONTENT
0	S-1	A	0/2	15-12-11-6	Brown coarse-fine SAND, some silt, little gravel.	
5	S-2	A	4/6	7-8-6-2	Brown coarse-fine SAND, little gravel, trace silt.	
10	S-3	A	9/11	10-13-12-3	Same.	
15	S-4	A	14/16	4-2-2-2	Dark brown organic SILTY CLAY, little peat.	
					EOB 16'-0"	

GROUND WATER DATA

DEPTH	HOUR	DATE
7'-5"		10/16/85
4'-6"		10/19/85

R-106 Rev.2/77

* A. STANDARD PENETRATION TEST (ASTM-D 1586)
B. STANDARD THIN-WALLED 3" TUBE (ASTM-D 1587)
C. CORE DRILLING

DRILLER B. WOODINGTON HELPER E. DORON

LN1

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Amerada Hess Corporation

Name of Facility: Port Reading Refinery

Location: West Avenue, Port Reading, (Woodbridge Township), NJ

Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: __ __ - __ __ __ __ __ - __
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): LN1

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 14' 37.4" Latitude: North 40° 33' 50.0"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630431.378 East 563320.215

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 12.19

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

U.S.C. & G.S. Monument No. 350 - Elevation 15.76

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

William N. Scott

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

7-01-2002
DATE

William N. Scott, PLS New Jersey License No. 17421
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

ENSURPLAN, INC.
P.O. BOX 4304, Warren, NJ 07059 (908-668-7701

LN2

Form DWR-133 (4/82)

Mail to
Water Allocation
CN-029
Trenton, N.J. 08625

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 26 - 7560
~~26 - 7561~~
26 - 7562
26 - 7563
26.31.9

Owner AMARADA HESS
Address 1 HESS PLAZA
WOODBRIDGE NJ

Driller JOSEPH TABASCO
Address C/O UPPINCOTT GROUNDWATER ASSOC
501 BURLINGTON AVE
DELANCO NJ 3929.1

Name of Facility PORT READING REFINERY
Address STATE ST
PORT READING NJ

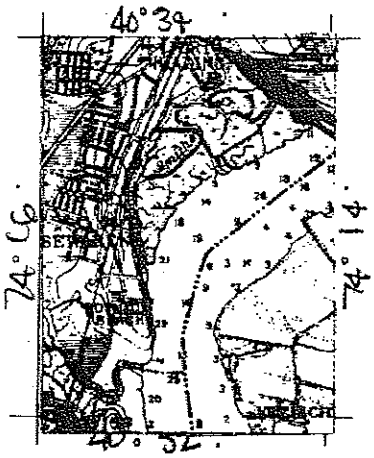
Diameter of Well	Proposed Depth of Well
4 Inches	25 TO 30 Feet
Proposed Capacity of Pump	**Method of Drilling** *(cable-tool, rotary, etc.)*
N.A. G.P.M.	ROTARY (AUGER)
Use of Well *(See Reverse)*	
GROUND WATER MONIT.	

LOCATION OF WELL

Lot#	Block#	Municipality	County
		PORT READING	MIDDLESEX

State Atlas Map No. 26

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



North

FOR MONITORING PURPOSES ONLY

SEE ATTACHED DRAWING

West

4 WELLS NORTH LAND FARM

East

WELL SEALED 1/4/91
26-7560 only

South

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- ☐ Samples of cuttings required every _____ feet.
- ☐ **Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ **Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- ☐ **Industrial/Commerical Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ **Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp

WELL PERMIT
APPROVED
APR 9 1985
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as decribed above.

Date _____ Signature of Owner _____

WATER ALLOCATION COPY

WELPMT 068 0449

LN2

Form DWR-138
11/80

FOR OBSERVATION PURPOSES ONLY

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

26-31-819

WELL RECORD

PERMIT NO. 26-7562

APPLICATION NO. _____

COUNTY MIDDLESEX

1. OWNER AMERADA HESS ADDRESS PORT READING

Owner's Well No. MW-3 SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION NORTH LAND FARM

3. DATE COMPLETED 4-12-85 DRILLER J. TABASCO

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 13 Feet

5. CASING: Type PVC Diameter 4 Inches Length 7 Feet

6. SCREEN: Type PVC Size of Opening .020 Diameter 4 Inches Length 6 Feet

Range in Depth { Top _____ Feet / Bottom _____ Feet } Geologic Formation RARITAN - MAGOTHY

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date 5-2-85 Yield 1.2 Gallons per minute

Static water level before pumping 6'2" Feet below surface

Pumping level 6.0 feet below surface after 2 hours pumping

Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown

How pumped JET DUMP How measured VOLUMETRICALLY

Observed effect on nearby wells _____

9. PERMANENT PUMPING EQUIPMENT:

Type N/A Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR GROUNDWATER MONITORING AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }

11. QUALITY OF WATER N/A Sample: Yes ____ No ____

Taste _____ Odor _____ Color _____ Temp. _____ °F.

12. LOG SEE ATTACHED Are samples available? YES
(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA _____

14. DATA OBTAINED BY J. TABASCO Date 5-3-85

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

LN2

LIPPINCOTT ENGINEERING ASSOCIATES

501 BURLINGTON AVENUE DELANCO, N.J. 08075

26-7562

PROJECT NO. 3929.1
DATE 4/12/85

26-31-819

SHEET 3 OF 8
SURFACE ELEV

PROJECT NORTHLAND FARM

CLIENT AMERADA HESS

LOCATION PORT READING, NJ

LOG OF BORING NO. MW-3

PERMIT NO. 26-7562

DEPTH	SAMPLE NUMBER	TYPE*	SAMPLE DEPTH	NUMBER OF BLOWS PER 6"	CLASSIFICATION OF MATERIALS BASED ON SAMPLES RECOVERED PLUS OBSERVATION OF MATERIAL RETURNED BETWEEN SAMPLES	MOISTURE CONTENT
0	S-1	A	0/ 2	6-8-3-3	Fill.	
5	S-2	A	4/ 6	3-2-6-5	Reddish-brown SAND.	
	S-3	A	8/ 10	5-6-9-8	Reddish-brown SAND & gray SILTY SAND.	
10	S-4	A	10/ 12	3-2-1-1	Black organic laminated CLAY.	
	S-5	A	12/ 14	2-1-1-2	Yellow organic matter.	
15	S-6	A	14/ 16	2-2-1-2	Grey-green CLAY.	
					EOB 16'-0"	

GROUND WATER DATA

DEPTH	HOUR	DATE
6'-3"		4/23/85

R-106 Rev.2/77

* A. STANDARD PENETRATION TEST (ASTM-D 1586)
B. STANDARD THIN-WALLED 3" TUBE (ASTM-D 1587)
C. CORE DRILLING

DRILLER E. DORON HELPER R. BRODSKY

LN2

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Amerada Hess Corporation

Name of Facility: Port Reading Refinery

Location: West Avenue, Port Reading, (Woodbridge Township), NJ

Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: __ __ - __ __ __ __ __ - __
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): LN 2

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 14' 33.9" Latitude: North 40° 33' 50.5"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630479.931 East 563586.628

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 12.21

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

U.S.C. & G.S. Monument No. 350 - Elevation 15.76

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

7-01-2002
DATE

William N. Scott, PLS New Jersey License No. 17421
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

ENSURPLAN, INC.
P.O. BOX 4304, Warren, NJ 07059 (908-668-7701

LN3

2N3 ?

Form DWR-133 (4/82)

Mail to
Water Allocation
CN-029
Trenton, N.J. 08625

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 26 - 7560
26 - 7561
26 - 7562
26 - 7563
26, 31. 7

Owner AMERADA HESS
Address 1 HESS PLAZA
WOODBRIDGE NJ

Driller JOSEPH TAPASCO
Address C/O URBANCOTT ENGINEERING ASSOC
501 BURLINGTON AVE
DELANCO NJ 3929.1

Name of Facility PORT READING REFINERY
Address STATE ST
PORT READING NJ

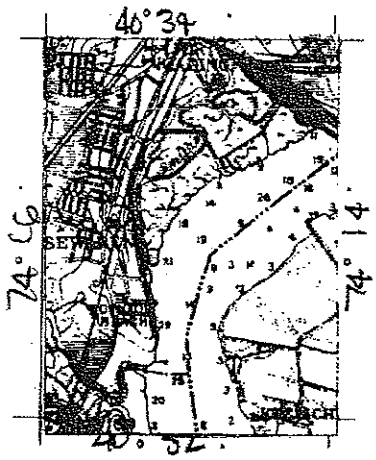
Diameter of Well	Proposed Depth of Well
4 Inches	25 TO 30 Feet
Proposed Capacity of Pump	**Method of Drilling** *(cable-tool, rotary, etc.)*
N.A. G.P.M.	ROTARY (AUGER)
Use of Well *(See Reverse)*	
GROUND WATER MONIT.	

LOCATION OF WELL

Lot#	Block#	Municipality	County
		PORT READING	MIDDLESEX

State Atlas Map No. 26

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.



North

FOR MONITORING PURPOSES ONLY

SEE ATTACHED DRAWING

West

4 WELLS NORTH LAND FARM

East

WELL SEALED 1/4/91
26-7560 only

South

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- ☐ Samples of cuttings required every _____ feet.
- ☐ **Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ **Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- ☐ **Industrial/Commerical Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ **Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp

WELL PERMIT
APPROVED
APR 9 1985
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as decribed above.

Date _____ Signature of Owner _____

WATER ALLOCATION COPY

WELPMT 068 0449

CN3

Form DWR- 138
11/80

FOR OBSERVATION PURPOSES ONLY

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

26-31-819

WELL RECORD

PERMIT NO. 26-7563

APPLICATION NO. _____

COUNTY MIDDLESEX

1. OWNER AMERADA HESS ADDRESS PORT READING

Owner's Well No. MW-4 SURFACE ELEVATION _____ Feet (Above mean sea level)

2. LOCATION NORTH LAND FARM

3. DATE COMPLETED 4-12-85 DRILLER J. TABASCO

4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 11'3" Feet

5. CASING: Type PVC Diameter 4 inches Length 5'3" Feet

6. SCREEN: Type PVC Size of Opening .020 Diameter 4 inches Length 6 Feet

Range in Depth { Top _____ Feet / Bottom _____ Feet } Geologic Formation RARITAN - MAGOTHY

Tail Piece: Diameter _____ Inches Length _____ Feet

7. WELL FLOWS NATURALLY _____ Gallons per minute at _____ Feet above surface

Water rises to _____ Feet above surface

8. RECORD OF TEST: Date 5-2-85 Yield < 1.0 Gallons per minute

Static water level before pumping 7'1" Feet below surface

Pumping level 7.0 feet below surface after 2 hours pumping

Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown

How pumped JET PUMP How measured VOLUMETRICALLY

Observed effect on nearby wells _____

9. PERMANENT PUMPING EQUIPMENT:

Type N/A Mfrs. Name _____

Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____

Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet

Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches

10. USED FOR GROUNDWATER MONITORING AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }

11. QUALITY OF WATER N/A Sample: Yes ____ No ____

Taste _____ Odor _____ Color _____ Temp. _____ °F.

12. LOG SEE ATTACHED Are samples available? YES

(Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)

13. SOURCE OF DATA _____

14. DATA OBTAINED BY J. TABASCO Date 5-3-85

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

LN3

LIPPINCOTT ENGINEERING ASSOCIATES

501 BURLINGTON AVENUE DELANCO, N.J. 08075

26-7563

PROJECT NO. 3929.1

DATE 4/12/85

26-31-819

SHEET 4 OF 8

SURFACE ELEV

PROJECT NORTHLAND FARM

CLIENT AMERADA HESS

LOCATION FORT READING, NJ

LOG OF BORING NO. MW-4

PERMIT NO. 26-7563

DEPTH	SAMPLE NUMBER	TYPE*	SAMPLE DEPTH	NUMBER OF BLOWS PER 6"	CLASSIFICATION OF MATERIALS BASED ON SAMPLES RECOVERED PLUS OBSERVATION OF MATERIAL RETURNED BETWEEN SAMPLES	MOISTURE CONTENT
0	S-1	A	0/ 2	30-27-26-33	Dark green SILTY SAND.	
5	S-2	A	4/ 6	2-5-10-14	Reddish-brown SILTY SAND.	
	S-3	A	8/ 10	1-1/12"-7	Dark grey-black SILTY SAND.	
10	S-4	A	10/ 12	2-3-4-3	Dark grey SILTY CLAY.	
	S-5	A	12/ 14	5-2-2-2	Grey CLAY and organic material.	
15					EOB 14'-0"	

GROUND WATER DATA

DEPTH	HOUR	DATE
5'-6"		4/23/85

R-106 Rev. 2/77

* A. STANDARD PENETRATION TEST (ASTM-D 1586)

B. STANDARD THIN-WALLED 3" TUBE (ASTM-D 1587)

C. CORE DRILLING

DRILLER E. DORON HELPER R. BRODSKY

LN3

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Amerada Hess Corporation

Name of Facility: Port Reading Refinery

Location: West Avenue, Port Reading, (Woodbridge Township), NJ

Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: ___ - ___ - ___ - ___
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): LN 3

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 14' 32.9" Latitude: North 40° 33' 49.9"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630416.162 East 563666.896

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 11.34

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

U.S.C. & G.S. Monument No. 350 - Elevation 15.76

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

7-01-2002
DATE

William N. Scott, PLS New Jersey License No. 17421
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

ENSURPLAN, INC.
P.O. BOX 4304, Warren, NJ 07059 (908-668-7701

LN4
8B1
LN-4
25

Form DWR-133 (4/82)

Mail to
Water Allocation
CN-029
Trenton, N.J. 08625

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

Permit No. 26-8130-
26.31.68132

Owner AMERADA HESS
Address 1 HESS PLAZA
WOODBURY, NJ

Name of Facility PORT READING REFINERY
Address STATE ST
PORT READING, NJ

Driller JOSEPH TABASCO
Address c/o LIPPINCOTT ENGINEERING
501 BURLINGTON AVE
DELANCO, NJ 08075

Diameter of Well	Proposed Depth of Well
4 Inches	25 to 30 Feet
Proposed Capacity of Pump: N/A G.P.M.	Method of Drilling (cable-tool, rotary, etc.)
Use of Well (See Reverse): GROUND WATER MONITORING	

LEA Job # 3929.1

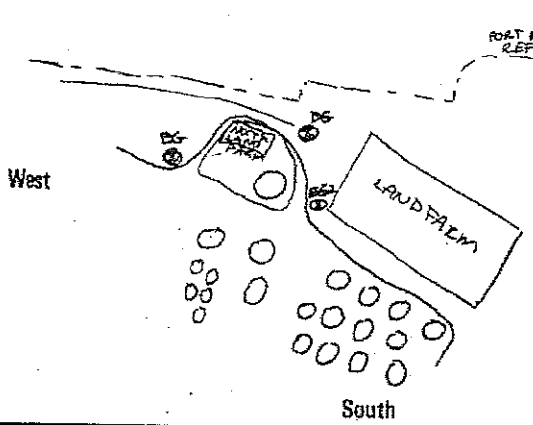
LOCATION OF WELL

Lot#	Block#	Municipality	County
		PORT READING	MIDDLESEX

State Atlas Map No. 26

Draw sketch showing distance and relations of well site to nearest public roads, streets, septic systems, etc.

FOR MONITORING PURPOSES ONLY



26-8130-3
8131-1
8132-0

3 wells (DG, BG, BG-2)

SEE REVERSE SIDE for IMPORTANT PROVISIONS AND REGULATIONS pertaining to this permit. APPROVAL of this permit is made SUBJECT TO acceptance of and compliance with the following ADDITIONAL CONDITIONS:

- ☐ Permit issued in accordance with provisions of letter of transmittal dated _____.
- ☐ It is necessary that Geophysical Logs of this well be made. Permanent pumping equipment SHALL NOT be installed until such logs are made.
- ☐ Samples of cuttings required every _____ feet.
- ☐ **Domestic Potable Water Supply** - The service line for water from the public community water supply system shall be turned off at the curb cock, and the meter shall be removed by the water purveyor.
- ☐ **Domestic Irrigation Supply** - No piping from the well for which the permit applies shall enter any building.
- ☐ **Industrial/Commerical Supply** - A physical connection permit shall be obtained pursuant to the provisions of N.J.A.C. 7:10-10-1 et. seq., and a vigorous cross connections control program shall be instituted and maintained within the premises.
- ☐ **Heat Pump Wells** - Wells must be 50 feet apart and the water must be returned to the same aquifer as the production well.
- ☐ _____

This Space for Approval Stamp

WELL PERMIT APPROVED
OCT 16 1985
DEPT. ENV. PROTECTION
DIV. OF WATER RESOURCES
WATER ALLOCATION

In compliance with R.S. 58:4A-14, application is made for a permit to drill a well as decribed above.

Date _____ Signature of Owner _____

WATER ALLOCATION COPY

WELPMT 068 0710

LN4

Form DWR- 138
11/80

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

PERMIT NO. #26-8131-1

APPLICATION NO. _____

COUNTY MIDDLESEX

26-31-819

WELL RECORD

1. OWNER AMERADA HESS ADDRESS PORT READING, NJ
   Owner's Well No. DG SURFACE ELEVATION 11.7 Feet (Above mean sea level)
2. LOCATION NORTH LAND FILL
3. DATE COMPLETED 10-16-85 DRILLER BARRIE WOODINGTON
4. DIAMETER: Top 4 inches Bottom 4 inches TOTAL DEPTH 14 Feet
5. CASING: Type PVC Diameter 4 Inches Length 4 Feet
6. SCREEN: Type PVC Size of Opening .020" Diameter 4 Inches Length 10 Feet
   Range in Depth { Top _____ Feet / Bottom _____ Feet } Geologic Formation RARITAN-MAGOTHY
   Tail Piece: Diameter _____ Inches Length _____ Feet
7. WELL FLOWS NATURALLY — Gallons per minute at _____ Feet above surface
   Water rises to _____ Feet above surface
8. RECORD OF TEST: Date 10-18-85 Yield 7 Gallons per minute
   Static water level before pumping 6' 11" Feet below surface
   Pumping level 9.0' feet below surface after 2 hours pumping
   Drawdown _____ Feet Specific Capacity _____ Gals. per min. per ft. of drawdown
   How pumped SHALLOW WELL JET How measured VOLUMETRICALLY
   Observed effect on nearby wells _____
9. PERMANENT PUMPING EQUIPMENT: NO
   Type _____ Mfrs. Name _____
   Capacity _____ G.P.M. How Driven _____ H.P. _____ R.P.M. _____
   Depth of Pump in well _____ Feet Depth of Footpiece in well _____ Feet
   Depth of Air Line in well _____ Feet Type of Meter on Pump _____ Size _____ Inches
10. USED FOR GROUND WATER MONITORING AMOUNT { Average _____ Gallons Daily / Maximum _____ Gallons Daily }
11. QUALITY OF WATER N/A Sample: Yes ____ No ____
    Taste _____ Odor _____ Color _____ Temp. _____ °F.
12. LOG SEE ATTACHED Are samples available? _____
    (Give details on back of sheet or on separate sheet. If electric log was made, please furnish copy.)
13. SOURCE OF DATA DRILLER'S OBSERVATIONS
14. DATA OBTAINED BY Joe Tabasco Date 11-26-85

(NOTE: Use other side of this sheet for additional information such as log of materials penetrated, analysis of the water, sketch map, sketch of special casing arrangements, etc.)

LN4

LIPPINCOTT ENGINEERING ASSOCIATES

501 BURLINGTON AVENUE DELANCO, N.J. 08075

PROJECT NO. 3929.A1
DATE 10/16/85

26-31-819
26-8131

SHEET 6 OF 7
SURFACE ELEV 11.7

PROJECT WELL INSTALLATION/NO. 1 LAND FARM CLIENT AMERADA HESS

LOCATION PORT READING REFINERY LOG OF BORING NO. DG

Permit No 26-8131

DEPTH	SAMPLE NUMBER	TYPE*	SAMPLE DEPTH	NUMBER OF BLOWS PER 6"	CLASSIFICATION OF MATERIALS BASED ON SAMPLES RECOVERED PLUS OBSERVATION OF MATERIAL RETURNED BETWEEN SAMPLES	MOISTURE CONTENT
0	S-1	A	0/ 2	7-6-4-5	6" QUARRY BLEND Brown coarse-fine SAND, some silt, little gravel.	
5	S-2	A	4/ 6	3-2-12-15	Reddish-brown coarse-fine SAND, some silt, trace fine gravel.	
10	S-3	A	9/ 11	6-8-10-12	Same.	
15	S-4	A	14/ 16	3-2-1-2	Dark brown organic SILT (peat).	
					EOB 16'-0"	

GROUND WATER DATA

DEPTH	HOUR	DATE
7'-3"		10/16/85
6'-1"		10/18/85
6'-2"		10/19/85

R-106 Rev. 2/77

* A. STANDARD PENETRATION TEST (ASTM-D 1586)
B. STANDARD THIN-WALLED 3" TUBE (ASTM-D 1587)
C. CORE DRILLING

DRILLER B. WOODINGTON HELPER T. LIPPINCOTT

LN4

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: Amerada Hess Corporation

Name of Facility: Port Reading Refinery

Location: West Avenue, Port Reading, (Woodbridge Township), NJ

Case Number(s): _____ (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: ___ - _____ - __
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): LN 4

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: West 74° 14' 31.6" Latitude: North 40° 33' 48.8"

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630309.388 East 563767.700

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 1355

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

U.S.C. & G.S. Monument No. 350 - Elevation 15.76

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

7-01-2002
DATE

William N. Scott, PLS New Jersey License No. 17421
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER
(Please print or type)

ENSURPLAN, INC.
P.O. BOX 4304, Warren, NJ 07059 (908-668-7701

LN6

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

~~Well Permit Number~~
E201013004

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: DENIS CRAYON, JOURNEYMAN LICENSE # 0022655

Permit Issued to: SUMMIT DRILLING CO INC

Company Address: CENTRAL JERSEY INDUSTRIAL PARK 9W CHIMNEY ROCK RD BOUND BROOK, NJ 08805

PROPERTY OWNER

Name: N/A HESS CORPORATION

Organization: Hess Corporation

Address: 1 Hess Plaza

City: Woodbridge State: New Jersey Zip Code: 07095

PROPOSED WELL LOCATION

Facility Name: Hess-Port Reading Refinery

Address: 750 Cliff Rd Leave as is per Charles

County: Middlesex Municipality: Woodbridge Twp Lot: 1 Block: 756

Easting (X): 563683 Northing (Y): 630502
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: LN-6

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s):

Diameter (in.): 4

Regulatory Program Requiring Wells/Borings:

Depth (ft.): 20

Case ID Number: Envirotrac

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: October 14, 2010
Expiration Date: October 14, 2011

Approved by the authority of:
Bob Martin
Commissioner

John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

LN-6

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER SUPPLY - BUREAU OF WATER SYSTEMS AND WELL PERMITTING
WELL RECORD

Client: Enviro-Tech
Town: Fort Redding
*Permit #: E201013004
Driller: Jim McMallen
*Drilling Start Date: 10-14-10
*Grouting Method: Tremme
*Drilling Finish Date: 10-14-10
Grouting Method Description: ——
*WELL ID: LN-6
*Drilling Method: H.S Auger
*Total Depth Drilled: 15'
Drilling Method Description: ——
*Finished Well Depth: 15'
*Well Surface: Stick up
Well Use: Monitoring
Casing Height Above Grade: +2'

Borehole

*Depth to Top	Depth to Bottom	Diameter
0	15	8"

*Protective Casing: (Y) or N

*Static Water Level: 6'

*Water Level Tool: water level indicator

*Well Development (hours): 1/2 hr

*Method of Development: Submersible pump

*Drill Rig: Geo-Probe 6600

IF A RECOVERY WELL:
*Pump Type:
*Pump Capacity:

COORDINATES:
DATE TAKEN:
Northing:Y 630502
Easting: X 563683

Additional Comments:

CASING

	*Depth to Top	Depth to Bottom	Diam	Material	Weight / Rating
Inner	0 ft.	5 ft.	4 in.	PVC	Sch-40
Middle	ft.	ft.	in.		
Outer	ft.	ft.	in.		

SCREEN

	Depth to Top	Depth to Bottom	Diam	Material	Open Hole / Slot Number
	5 ft.	15 ft.	4 in.	PVC	.020
Tail Piece	ft.	ft.	in.		

GRAVEL PACK

Depth to Top	Depth to Bottom	Outer Diam	Inner Diameter	Material
ft.	ft.	in.	in.	
ft.	ft.	in.	in.	

GROUT

	Depth to Top	Depth to Bottom	Outer Diameter	Inner Diameter	Material
Single	0 ft.	3 ft.	8 in.	4 in.	Portland
Double	ft.	ft.	in.	in.	
Triple	ft.	ft.	in.	in.	

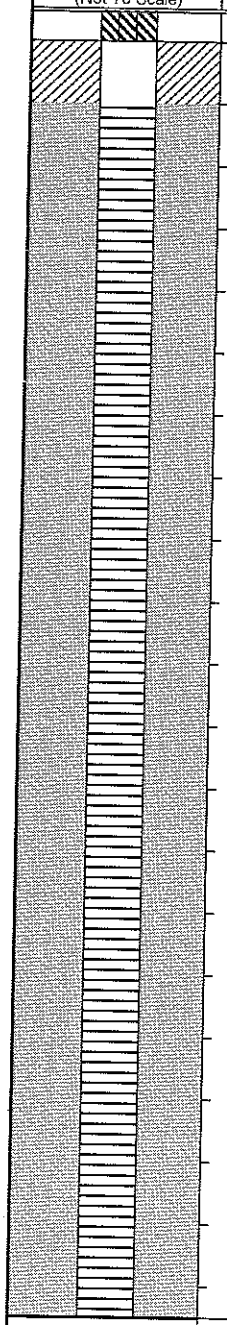
	Bentonite	Cement	Water
Inner	5 lbs.	94 lbs.	8 gals.
Middle			
Outer			

GEOLOGIC LOG: See chart for abbreviations - *Must note COLOR*

Inches to Feet	Color	Geologic Log
0-15'	Tan	Sand (Gm)

LN-6

Client:	Incident #	Depth to Water (ft. from measuring pt.)	Site Elevation Datum
Hess	n/a		Ground Elevation
Site Name: Port Reading	Address: 750 Cliff Rd., Port Reading, NJ	Date: 10/26/2010 / DTW: 8.6	
Drilling Company: Summit Drilling		- / -	Measuring Point Elevation 14.56
Date Started: 10/7/10	Date Completed: 10/8/10 / Well Diameter: 4"		
Completion Depth: 20'	Hydrogeologist/Engineer: Philip Allegro/EnviroTrac	Permit #: n/a	

SOIL BORING LN-6 (Not To Scale)	DEPTH (ft. below grade)	SAMPLES: Sample ID	Collection Depth	OVM (ppm)	SOIL DESCRIPTION
	0				
	1				
	2				
	3				0'-5' - Air Knife
	4				
	5				
	6				
	7				
	8				
	9				
	10				5'-10' - Light Brown Gravelly Sands
	11				
	12				
	13				
	14				
	15				10'-15' - Grey Silty Sand
	16				
	17				
	18				
	19				
	20				15'-20' - Grey Clay with Some Organic Material

End of boring at 20'. PVC Screen 1' to 20' . Riser - 1' - +2.5'

LN6

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: **Hess Corporation**

Name of Facility: **Port Reading Refinery**

Location: **750 Cliff Road, Port Reading, New Jersey**

Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: **E201013004**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **LN-6**

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: **West 074°14'32.1"** Latitude: **North 40°33'50.6"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630491.7 **East 563734.7**

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): **14.56'**

Top of Outer Casing **14.94'**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.) **Existing Form B for Monitoring Well LS-2. PVC Elevation = 10.70. Local Datum of Hess Refinery.**

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

James W. Ryckman
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

12-22-10
DATE

James W. Ryckman, PLS License Number 25798
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Boundary Lines, P.A.
PO Box 433, Edison, NJ 08818-0433 732-603-9700
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

C:\WordDocuments\081101.LN-6

LN7

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E201013005

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: DENIS CRAYON, JOURNEYMAN LICENSE # 0022655

Permit Issued to: SUMMIT DRILLING CO INC

Company Address: CENTRAL JERSEY INDUSTRIAL PARK 9W CHIMNEY ROCK RD BOUND BROOK, NJ 08805

PROPERTY OWNER

Name: N/A HESS CORPORATION

Organization: Hess Corporation

Address: 1 Hess Plaza

City: Woodbridge State: New Jersey Zip Code: 07095

PROPOSED WELL LOCATION

Facility Name: Hess-Port Reading Refinery

Address: 750 Cliff Rd Leave as is per Charles

County: Middlesex Municipality: Woodbridge Twp Lot: 1 Block: 756

Easting (X): 563745 Northing (Y): 630393
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: LN-7

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s):

Diameter (in.): 4

Regulatory Program Requiring Wells/Borings:

Depth (ft.): 20

Case ID Number: Envirotrac

Pump Capacity (gpm): 0

Deviation Requested: N

Drilling Method: Hollow Stem Augers

Attachments:

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: October 14, 2010
Expiration Date: October 14, 2011

Approved by the authority of:
Bob Martin
Commissioner

John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

New Jersey State Department of Environmental Protection
Bureau of Water Systems and Well Permitting
PO BOX 420 Trenton, NJ 08625-0420 Tel: 609-984-6831

Well Permit Number
E201013005

WELL PERMIT

DEVIATION INFORMATION	
Purpose:	
Unusual Conditions:	
Reason for Deviation:	
Proposed Well Construction	

GENERAL CONDITIONS/REQUIREMENTS
A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1]
A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1]
All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1]
If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1]
If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1]
If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i]
In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1]
In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1]
In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1]
The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1]
The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1]
This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1]
This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1]
This permit is NONTRANSFERABLE [N.J.A.C. 7:9D]
This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1]

LN-7

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER SUPPLY - BUREAU OF WATER SYSTEMS AND WELL PERMITTING
WELL RECORD

Client: Enviro-Trac
Town: Port Reading
*Permit #: E20/013005
Driller: Jim MacLaller
*Drilling Start Date: 10-15-10
*Grouting Method: Tremme
*Drilling Finish Date: 10-15-10
Grouting Method Description: —
*WELL ID: LN-7
*Drilling Method: H.S Auger
*Total Depth Drilled: 15'
Drilling Method Description: —
*Finished Well Depth: 15'
*Well Surface: Stick up
Well Use: monitoring
Casing Height Above Grade: +2'

Borehole

*Depth to Top	Depth to Bottom	Diameter
0'	15'	8"

*Protective Casing: (Y) or N

*Static Water Level: 6'

*Water Level Tool: water level indicator

*Well Development (hours): ½ hr

*Method of Development: Submersible pump

*Drill Rig: Geo-Probe 6600

IF A RECOVERY WELL:

*Pump Type:

*Pump Capacity:

COORDINATES:
DATE TAKEN:
Northing: Y 630393
Easting: X 563745

Additional Comments:

CASING

	*Depth to Top	Depth to Bottom	Diam	Material	Weight / Rating
Inner	0 ft.	5 ft.	4 in.	PVC	sch-40
Middle	ft.	ft.	in.		
Outer	ft.	ft.	in.		

SCREEN

	Depth to Top	Depth to Bottom	Diam	Material	Open Hole / Slot Number
	5 ft.	15 ft.	4 in.	PVC	.020
Tail Piece	ft.	ft.	in.		

GRAVEL PACK

Depth to Top	Depth to Bottom	Outer Diam	Inner Diameter	Material
3 ft.	15 ft.	8 in.	4 in.	morie
ft.	ft.	in.	in.	

GROUT

	Depth to Top	Depth to Bottom	Outer Diameter	Inner Diameter	Material
Single	0 ft.	3 ft.	8 in.	4 in.	
Double	ft.	ft.	in.	in.	
Triple	ft.	ft.	in.	in.	

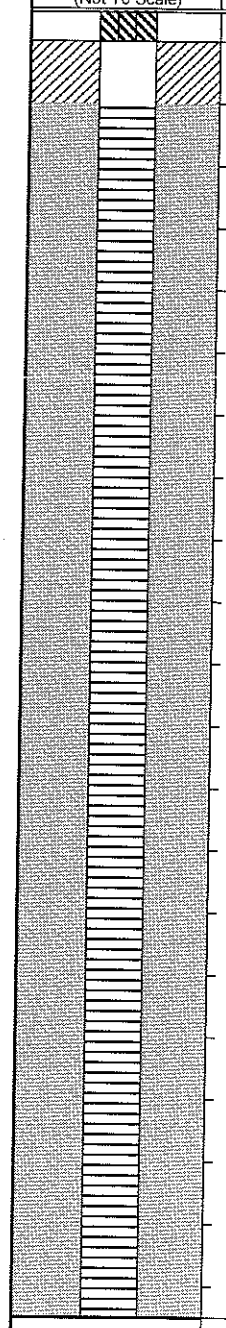
	Bentonite	Cement	Water
Inner	5 lbs.	94 lbs.	8 gals.
Middle			
Outer			

GEOLOGIC LOG: See chart for abbreviations - *Must note COLOR*

Inches to Feet	Color	Geologic Log
0-15'	Tan	Sand (Gm)

LN-7

Client: Hess	Incident # n/a	Depth to Water (ft. from measuring pt.)	Site Elevation Datum
Site Name: Port Reading	Address: 750 Cliff Rd., Port Reading, NJ	Date: 10/26/2010 / DTW: 9.2	Ground Elevation
Drilling Company: Summit Drilling			Measuring Point Elevation 15.75
Date Started: 10/7/10	Date Completed: 10/8/10	Well Diameter 4"	
Completion Depth: 20'	Hydrogeologist/Engineer Philip Allegro/EnviroTrac	Permit #: n/a	

SOIL BORING LN-7 (Not To Scale)	DEPTH (ft. below grade)	SAMPLES Sample ID	Collection Depth	OVM (ppm)	SOIL DESCRIPTION
	0				
	1				
	2				
	3				0'-5' - Air Knife
	4				
	5				
	6				
	7				
	8				
	9				
	10				5'-10' - Light Brown Gravelly Sands
	11				
	12				
	13				
	14				
	15				10'-15' - Grey Silty Sand
	16				
	17				
	18				
	19				
	20				15'-20' - Grey Clay with Some Organic Material End of boring at 20'. PVC Screen 1' to 20' . Riser - 1' - +2.5'

LN7

MONITORING WELL CERTIFICATION FORM B - LOCATION CERTIFICATION

Name of Owner: **Hess Corporation**

Name of Facility: **Port Reading Refinery**

Location: **750 Cliff Road, Port Reading, New Jersey**

Case Number(s): (UST #, ISRA #, Incident #, or EPA #)

LAND SURVEYOR'S CERTIFICATION

Well Permit Number: **E201013005**
(This number must be permanently affixed to the well casing.)

Owners Well Number (As shown on application or plans): **LN-7**

Geographic Coordinate NAD 83 (to nearest 1/10 of second):

Longitude: **West 074°14'34.5"** Latitude: **North 40°33'50.6"**

New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 630491.3 **East 563549.0**

Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): **15.75'**

Top of Outer Casing **16.18'**

Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.) **Existing Form B for Monitoring Well LS-2. PVC Elevation = 10.70. Local Datum of Hess Refinery.**

Significant observations and notes: _____

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

James W. Ryckman — 12-22-10

PROFESSIONAL LAND SURVEYOR'S SIGNATURE — DATE

James W. Ryckman, PLS License Number 25798
PROFESSIONAL LAND SURVEYOR'S NAME AND LICENSE NUMBER

Boundary Lines, P.A.
PO Box 433, Edison, NJ 08818-0433 732-603-9700
PROFESSIONAL LAND SURVEYOR'S ADDRESS AND PHONE NUMBER

C:\WordDocuments\081101.LN-7

Appendix C

Soil Laboratory Analytical Data- October 27, 2009

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

08/02/10

Technical Report for

EnviroTrac, Ltd.

Hess-Port Reading, NJ

Site Wide Geoprobe

Accutest Job Number: JA31420

Sampling Date: 10/27/09

Report to:

EnviroTrac, Ltd

phila@envirotrac.com

ATTN: Phil Allegro

Total number of pages in report: **983**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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8.3: Inst QC MA23427: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na, Tl,V,Zn 748
8.4: Inst QC MA23430: Hg 770
8.5: Inst QC MA23433: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na, Tl,V,Zn 782
8.6: Inst QC MA23434: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl, V,Zn 817
8.7: Inst QC MA23440: Tl 844
8.8: Inst QC MA23441: Be 870
8.9: Inst QC MA23447: Fe 891
8.10: Inst QC MA23474: Se 919
8.11: Prep QC MP50421: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 933
8.12: Prep QC MP50428: Hg 942
8.13: Prep QC MP50440: Hg 946
8.14: Prep QC MP50447: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 950
8.15: Prep QC MP50448: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag, Na,Tl,V,Zn 955
8.16: Prep QC MP50457: Hg 960
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Sample Summary

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA31420-1	10/27/09	12:00	PA	10/27/09	SO	Soil	NLF-1-0-2
JA31420-2	10/27/09	12:05	PA	10/27/09	SO	Soil	NLF-1-2-4
JA31420-3	10/27/09	12:10	PA	10/27/09	SO	Soil	NLF-1-4-6
JA31420-4	10/27/09	12:15	PA	10/27/09	SO	Soil	NLF-1-6-8
JA31420-5	10/27/09	12:20	PA	10/27/09	SO	Soil	NLF-1-8-10
JA31420-6	10/27/09	12:30	PA	10/27/09	SO	Soil	NLF-2-0-2
JA31420-7	10/27/09	12:35	PA	10/27/09	SO	Soil	NLF-2-2-4
JA31420-8	10/27/09	12:40	PA	10/27/09	SO	Soil	NLF-2-4-6
JA31420-9	10/27/09	12:45	PA	10/27/09	SO	Soil	NLF-2-6-8
JA31420-10	10/27/09	12:50	PA	10/27/09	SO	Soil	NLF-2-8-10
JA31420-11	10/27/09	13:00	PA	10/27/09	SO	Soil	NLF-3-0-2
JA31420-12	10/27/09	13:05	PA	10/27/09	SO	Soil	NLF-3-2-4
JA31420-13	10/27/09	13:10	PA	10/27/09	SO	Soil	NLF-3-4-6

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA31420-14	10/27/09	13:15	PA	10/27/09	SO	Soil	NLF-3-6-8
JA31420-15	10/27/09	13:20	PA	10/27/09	SO	Soil	NLF-3-8-10
JA31420-16	10/27/09	13:30	PA	10/27/09	SO	Soil	NLF-4-0-2
JA31420-17	10/27/09	13:35	PA	10/27/09	SO	Soil	NLF-4-2-4
JA31420-18	10/27/09	13:40	PA	10/27/09	SO	Soil	NLF-4-4-6
JA31420-19	10/27/09	13:45	PA	10/27/09	SO	Soil	NLF-4-6-8
JA31420-20	10/27/09	13:50	PA	10/27/09	SO	Soil	NLF-4-8-10
JA31420-21	10/27/09	14:00	PA	10/27/09	SO	Soil	NLF-5-0-2
JA31420-22	10/27/09	14:05	PA	10/27/09	SO	Soil	NLF-5-2-4
JA31420-23	10/27/09	14:10	PA	10/27/09	SO	Soil	4LF-5-4-6
JA31420-24	10/27/09	14:15	PA	10/27/09	SO	Soil	NLF-5-6-8
JA31420-25	10/27/09	14:20	PA	10/27/09	SO	Soil	NLF-5-8-10
JA31420-26	10/27/09	14:30	PA	10/27/09	AQ	Field Blank Soil	FIELD BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA31420-27	10/27/09	14:30	PA	10/27/09	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	EnviroTrac, Ltd.	**Job No**	JA31420
Site:	Hess-Port Reading, NJ	**Report Date**	11/19/2009 6:59:01 PM

On 10/27/2009, 25 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.7 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA31420 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VU4950

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA31616-12MS, JA31616-12MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Chloromethane are outside control limits for sample JA31616-12MSD. Probable cause due to sample homogeneity.
- JA31616-12MSD for Chloromethane: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** V3C2492

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-3DUP, JA31420-4MS, JA31420-3DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Carbon disulfide, Toluene are outside control limits for sample JA31420-3DUP. High RPD due to low concentration of hit

Matrix: SO **Batch ID:** V3C2494

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA32144-1DUP, JA32144-2MS, JA32144-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Acetone are outside control limits for sample JA32144-1DUP. High RPD due to low concentration of hit

Matrix: SO **Batch ID:** VV4010

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31706-1MS, JA31706-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Acetone are outside control limits for sample JA31706-1MSD. Probable cause due to sample homogeneity.
- JA31706-1MSD for Acetone: Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270C

2

Matrix: AQ	**Batch ID:** OP40693

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31382-1MS, JA31382-1MSD were used as the QC samples indicated.
- Sample(s) OP40672-MB1, OP40693-BS1, OP40693-MB1, OP40693-MS, OP40693-MSD, OP40729-MB1 have surrogates outside control limits. Probable cause due to matrix interference.
- OP40693-BS1 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-MS for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-MSD for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-MB1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- OP40693-BS1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: SO	**Batch ID:** OP40672

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31184-1MS, JA31184-1MSD were used as the QC samples indicated.
- Sample(s) OP40672-MB1, OP40693-BS1, OP40693-MB1, OP40693-MS, OP40693-MSD, OP40729-MB1 have surrogates outside control limits. Probable cause due to matrix interference.
- OP40672-MB1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: SO	**Batch ID:** OP40729

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JA31420-3MS, JA31420-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP40672-MB1, OP40693-BS1, OP40693-MB1, OP40693-MS, OP40693-MSD, OP40729-MB1 have surrogates outside control limits. Probable cause due to matrix interference.
- JA31420-8: Confirmation run for internal standard areas.
- JA31420-19: Confirmation run for internal standard areas.
- JA31420-18: Confirmation run for internal standard areas.
- JA31420-17: Confirmation run for internal standard areas.
- JA31420-13: Confirmation run for internal standard areas.
- JA31420-12: high internal
- JA31420-12: Confirmation run for internal standard areas.
- OP40729-MB1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- OP40729-MB1 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.

Extractables by GC By Method SW846 8081A

Matrix: AQ **Batch ID:** OP40551

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA30872-1MS, JA30872-1MSD, OP40551-MSMSD were used as the QC samples indicated.
- Sample(s) OP40665-MS, OP40665-MSD have surrogates outside control limits. No surrogate added.

Matrix: SO **Batch ID:** OP40665

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-4MS, JA31420-4MSD, OP40665-MSMSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 4,4'-DDD, Aldrin, alpha-BHC are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4,4'-DDD are outside control limits. Probable cause due to matrix interference.
- Sample(s) OP40665-MS, OP40665-MSD have surrogates outside control limits. No surrogate added.
- JA31420-5 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JA31420-1 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- OP40665-MSD for Tetrachloro-m-xylene: No surrogate added.
- OP40665-MS for Decachlorobiphenyl: No surrogate added.
- OP40665-MSD for Decachlorobiphenyl: No surrogate added.
- JA31420-6 for 4,4'-DDT: Reported from 1st signal. %D of check on 2nd signal excess method criteria (15 %) so using for confirmation only.
- OP40665-MS for Tetrachloro-m-xylene: No surrogate added.

Matrix: SO **Batch ID:** OP40853

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-16MS, JA31420-16MSD, OP40853-MSMSD were used as the QC samples indicated.
- Sample(s) OP40665-MS, OP40665-MSD have surrogates outside control limits. No surrogate added.
- OP40853-BS1 for Endosulfan-II: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for gamma-Chlordane: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Heptachlor: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Endrin aldehyde: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Endosulfan sulfate: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Dieldrin: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Endrin ketone: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Heptachlor epoxide: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for beta-BHC: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.

Extractables by GC By Method SW846 8081A

Matrix: SO	**Batch ID:** OP40853

- OP40853-BS1 for Aldrin: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for delta-BHC: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.
- OP40853-BS1 for Methoxychlor: Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.

Extractables by GC By Method SW846 8082

Matrix: AQ	**Batch ID:** OP40677

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JA31382-1MS, JA31382-1MSD, OP40677-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP40666-MS, OP40666-MSD have surrogates outside control limits. surrogate standard was not added.

Matrix: SO	**Batch ID:** OP40666

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-4MS, OP40666-MSMSD, JA31420-4MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Aroclor 1016 are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Aroclor 1016, Aroclor 1260 are outside control limits for sample OP40666-MSD. Probable cause due to sample homogeneity.
- Sample(s) OP40666-MS, OP40666-MSD have surrogates outside control limits. surrogate standard was not added.
- OP40666-MSD for Decachlorobiphenyl: surrogate standard was not added.
- OP40666-MSD for Tetrachloro-m-xylene: surrogate standard was not added.
- OP40666-MS for Tetrachloro-m-xylene: surrogate standard was not added.
- OP40666-MS for Decachlorobiphenyl: surrogate standard was not added.
- OP40666-MSD for Aroclor 1016: Analytical precision exceeds standard laboratory control limits.
- OP40666-MSD for Aroclor 1260: Analytical precision exceeds standard laboratory control limits.

Matrix: SO	**Batch ID:** OP40703

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-16MS, JA31420-16MSD, OP40703-MSMSD were used as the QC samples indicated.
- Sample(s) OP40666-MS, OP40666-MSD have surrogates outside control limits. surrogate standard was not added.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP50421

- All samples were digested within the recommended method holding time.
- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31456-1MS, JA31456-1MSD, JA31456-1SDL, JA31456-1PS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Selenium are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Selenium are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Copper, Selenium, Silver, Vanadium, Zinc are outside control limits for sample MP50421-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP50421-PS1 for Selenium: Serial dilution indicates possible matrix interference.

Matrix: SO **Batch ID:** MP50447

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-1MS, JA31420-1MSD, JA31420-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Copper, Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Copper, Chromium are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Chromium are outside control limits for sample MP50447-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Beryllium, Sodium, Lead, Nickel, Potassium, Zinc are outside control limits for sample MP50447-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP50447-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP50447-SD1 for Potassium: Serial dilution indicates possible matrix interference.
- MP50447-SD1 for Nickel: Serial dilution indicates possible matrix interference.
- MP50447-SD1 for Lead: Serial dilution indicates possible matrix interference.

Matrix: SO **Batch ID:** MP50448

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-25MS, JA31420-25MSD, JA31420-25SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Iron, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Beryllium, Cadmium, Sodium, Potassium, Zinc are outside control limits for sample MP50448-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP50448-SD1 for Potassium: Serial dilution indicates possible matrix interference.
- MP50448-SD1 for Zinc: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ	**Batch ID:** MP50428

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31456-1MS, JA31456-1MSD were used as the QC samples for metals.

Metals By Method SW846 7471A

Matrix: SO	**Batch ID:** MP50440

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31386-7MS, JA31386-7MSD were used as the QC samples for metals.
- Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Probable cause due to matrix interference.

Matrix: SO	**Batch ID:** MP50457

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA32059-6MS, JA32059-6MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 335.4/LACHAT

Matrix: AQ	**Batch ID:** GP51424

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31456-2DUP, JA31453-1MS were used as the QC samples for Cyanide.
- Blank Spike Recovery(s) for Cyanide are outside control limits.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP51424-D1. RPD acceptable due to low duplicate and sample concentrations.
- GP51424-B1 for Cyanide: Spike blank indicates possible high bias, but all associated samples < DL.

Wet Chemistry By Method SM18 2540G

Matrix: SO	**Batch ID:** GN32000

- The data for SM18 2540G meets quality control requirements.

Matrix: SO	**Batch ID:** GN32002

- The data for SM18 2540G meets quality control requirements.

Wet Chemistry By Method SW846 9012 M/LACHAT

Matrix: SO	**Batch ID:** GP51363

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-1DUP, JA31420-1MS were used as the QC samples for Cyanide.

Matrix: SO	**Batch ID:** GP51438

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA31420-18MS, JA31751-7DUP were used as the QC samples for Cyanide.
- RPD(s) for Duplicate for Cyanide are outside control limits for sample GP51438-D1. RPD acceptable due to low duplicate and sample concentrations.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56561.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	0.30	ug/kg	
75-25-2	Bromoform	ND	5.9	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	0.36	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.9	1.3	ug/kg	
67-66-3	Chloroform	ND	5.9	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.9	0.19	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	0.53	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.9	0.28	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
591-78-6	2-Hexanone	ND	5.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	0.95	ug/kg	
75-09-2	Methylene chloride	ND	5.9	0.26	ug/kg	
100-42-5	Styrene	ND	5.9	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.9	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.22	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.9	0.62	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	0.21	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51921.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	15.3	35	11	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	12.5	35	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	
218-01-9	Chrysene	17.2	35	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	26.1	35	15	ug/kg	J
86-73-7	Fluorene	ND	35	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.6	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	25.8	35	13	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-109%
4165-62-2	Phenol-d5	62%		28-108%
118-79-6	2,4,6-Tribromophenol	71%		28-125%
4165-60-0	Nitrobenzene-d5	92%		28-113%
321-60-8	2-Fluorobiphenyl	92%		38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	780	ug/kg	J
	system artifact	3.06	180	ug/kg	J
	system artifact	3.12	570	ug/kg	J
	system artifact	3.17	430	ug/kg	J
	system artifact	3.25	320	ug/kg	J
	system artifact	3.31	600	ug/kg	J
	system artifact	4.19	590	ug/kg	J
	unknown acid	4.44	170	ug/kg	J
	unknown	4.63	280	ug/kg	J
	unknown	5.28	150	ug/kg	J
80-97-7	Cholestanol	17.84	230	ug/kg	JN
	unknown	18.05	160	ug/kg	J
	Total TIC, Semi-Volatile		990	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90866.D	1	11/04/09	JSE	10/29/09	OP40665	GXX3628
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.45	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.49	ug/kg	
72-54-8	4,4'-DDD	20.8	1.4	0.62	ug/kg	
72-55-9	4,4'-DDE [a]	4.8	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		28-138%
877-09-8	Tetrachloro-m-xylene	74%		28-138%
2051-24-3	Decachlorobiphenyl	64%		22-156%
2051-24-3	Decachlorobiphenyl	82%		22-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	80.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86710.D	1	10/29/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		33-141%
877-09-8	Tetrachloro-m-xylene	63%		33-141%
2051-24-3	Decachlorobiphenyl	74%		32-154%
2051-24-3	Decachlorobiphenyl	77%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	80.6
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4620	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	9.8	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	40.1	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.59	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.79	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 590	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	19.8	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.9	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	17.3	3.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	24400	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	18.0	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1490	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	85.3	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.18	0.037	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	10.0	4.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	26.7	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	48.3	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-0-2		
Lab Sample ID:	JA31420-1	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	80.6
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.30	0.30	mg/kg	1	10/31/09 10:38	NR	SW846 9012 M/LACHAT
Solids, Percent	80.6		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56562.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.0	2.0	ug/kg	
71-43-2	Benzene	ND	0.90	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	4.5	0.23	ug/kg	
75-25-2	Bromoform	ND	4.5	0.14	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.36	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.0	1.8	ug/kg	
75-15-0	Carbon disulfide	0.76	4.5	0.27	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.5	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	4.5	0.30	ug/kg	
75-00-3	Chloroethane	ND	4.5	1.0	ug/kg	
67-66-3	Chloroform	ND	4.5	0.28	ug/kg	
74-87-3	Chloromethane	ND	4.5	0.15	ug/kg	
124-48-1	Dibromochloromethane	ND	4.5	0.098	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.5	0.12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.90	0.31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.5	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.5	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.5	0.40	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4.5	0.21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.5	0.12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.5	0.12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.5	0.086	ug/kg	
100-41-4	Ethylbenzene	ND	0.90	0.33	ug/kg	
591-78-6	2-Hexanone	ND	4.5	0.86	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	0.73	ug/kg	
75-09-2	Methylene chloride	ND	4.5	0.20	ug/kg	
100-42-5	Styrene	ND	4.5	0.096	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.5	0.26	ug/kg	
127-18-4	Tetrachloroethene	ND	4.5	0.13	ug/kg	
108-88-3	Toluene	8.6	0.90	0.26	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.5	0.11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.5	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	4.5	0.47	ug/kg	
75-01-4	Vinyl chloride	ND	4.5	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.8	0.42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	110%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51920.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	51	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	38	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	38	ug/kg	
95-48-7	2-Methylphenol	ND	63	36	ug/kg	
	3&4-Methylphenol	ND	63	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	53	ug/kg	
87-86-5	Pentachlorophenol	ND	310	54	ug/kg	
108-95-2	Phenol	ND	63	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	31	9.1	ug/kg	
208-96-8	Acenaphthylene	ND	31	10	ug/kg	
120-12-7	Anthracene	ND	31	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	31	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	31	9.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	31	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	31	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	31	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	63	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	18	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	9.7	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	63	15	ug/kg	
218-01-9	Chrysene	ND	31	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	63	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	9.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	9.3	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	9.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	63	9.1	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	63	8.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	63	7.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	31	11	ug/kg	
132-64-9	Dibenzofuran	ND	63	9.3	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	63	7.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	63	15	ug/kg	
84-66-2	Diethyl phthalate	ND	63	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	62.7	63	28	ug/kg	J
206-44-0	Fluoranthene	ND	31	14	ug/kg	
86-73-7	Fluorene	ND	31	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	8.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	31	11	ug/kg	
78-59-1	Isophorone	ND	63	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	63	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	ND	31	8.6	ug/kg	
98-95-3	Nitrobenzene	ND	63	9.1	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	7.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	31	14	ug/kg	
129-00-0	Pyrene	ND	31	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	63	8.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		30-109%
4165-62-2	Phenol-d5	63%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	90%		28-113%
321-60-8	2-Fluorobiphenyl	89%		38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	710	ug/kg	J
	system artifact	3.06	150	ug/kg	J
	system artifact	3.12	490	ug/kg	J
	system artifact	3.17	380	ug/kg	J
	system artifact	3.25	260	ug/kg	J
	system artifact	3.31	510	ug/kg	J
	system artifact	4.19	330	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90772.D	1	10/31/09	TDR	10/29/09	OP40665	GXX3625
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.58	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.35	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.43	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.50	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.43	ug/kg	
72-54-8	4,4'-DDD	4.1	1.3	0.55	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.54	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.49	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.60	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.49	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.58	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.57	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		28-138%
877-09-8	Tetrachloro-m-xylene	108%		28-138%
2051-24-3	Decachlorobiphenyl	112%		22-156%
2051-24-3	Decachlorobiphenyl	114%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	90.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86711.D	1	10/29/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	12	ug/kg	
11104-28-2	Aroclor 1221	ND	32	21	ug/kg	
11141-16-5	Aroclor 1232	ND	32	10	ug/kg	
53469-21-9	Aroclor 1242	ND	32	12	ug/kg	
12672-29-6	Aroclor 1248	ND	32	6.4	ug/kg	
11097-69-1	Aroclor 1254	ND	32	8.1	ug/kg	
11096-82-5	Aroclor 1260	ND	32	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		33-141%
877-09-8	Tetrachloro-m-xylene	82%		33-141%
2051-24-3	Decachlorobiphenyl	102%		32-154%
2051-24-3	Decachlorobiphenyl	102%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	90.1
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2720	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	2.5	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 22	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.56	0.56	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 560	560	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	7.5	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.6	5.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	6.6	2.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	9940	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	4.8	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1010	560	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	40.4	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.033	0.033	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	4.8	4.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	11.6	5.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	14.0	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-2-4		
Lab Sample ID:	JA31420-2	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	90.1
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	10/31/09 10:40	NR	SW846 9012 M/LACHAT
Solids, Percent	90.1		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56563.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	0.86	6.1	0.37	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.4	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	ND	6.1	0.27	ug/kg	
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	1.7	1.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	111%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51914.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	10	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
218-01-9	Chrysene	ND	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	41.5	69	30	ug/kg	J
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		30-109%
4165-62-2	Phenol-d5	72%		28-108%
118-79-6	2,4,6-Tribromophenol	94%		28-125%
4165-60-0	Nitrobenzene-d5	102%		28-113%
321-60-8	2-Fluorobiphenyl	102%		38-107%

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Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	920	ug/kg	J
	system artifact	3.00	160	ug/kg	J
	system artifact	3.06	220	ug/kg	J
	system artifact	3.12	680	ug/kg	J
	system artifact	3.17	510	ug/kg	J
	system artifact	3.25	380	ug/kg	J
	system artifact	3.31	710	ug/kg	J
	system artifact	3.34	150	ug/kg	J
	system artifact	4.03	140	ug/kg	J
	system artifact	4.19	360	ug/kg	J
	unknown	4.63	140	ug/kg	J
	unknown	5.30	280	ug/kg	J
	Total TIC, Semi-Volatile		420	ug/kg	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90771.D	1	10/31/09	TDR	10/29/09	OP40665	GXX3625
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.69	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	2.0	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		28-138%
877-09-8	Tetrachloro-m-xylene	103%		28-138%
2051-24-3	Decachlorobiphenyl	114%		22-156%
2051-24-3	Decachlorobiphenyl	109%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	82.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86717.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	11	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.1	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.0	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		33-141%
877-09-8	Tetrachloro-m-xylene	87%		33-141%
2051-24-3	Decachlorobiphenyl	102%		32-154%
2051-24-3	Decachlorobiphenyl	106%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.2
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2950	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 23	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	976	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	10.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	14.0	2.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	13800	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	7.6	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	959	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	62.8	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.073	0.036	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	6.4	4.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	11.4	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	58.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-4-6		
Lab Sample ID:	JA31420-3	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.2
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	10/31/09 10:41	NR	SW846 9012 M/LACHAT
Solids, Percent	82.2		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56564.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.35	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	0.26	ug/kg	
75-25-2	Bromoform	ND	5.1	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.41	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	1.8	5.1	0.31	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.1	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.1	1.2	ug/kg	
67-66-3	Chloroform	ND	5.1	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.1	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.1	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.1	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.1	0.46	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.1	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	0.097	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/kg	
591-78-6	2-Hexanone	ND	5.1	0.98	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	0.82	ug/kg	
75-09-2	Methylene chloride	ND	5.1	0.23	ug/kg	
100-42-5	Styrene	ND	5.1	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	0.30	ug/kg	
127-18-4	Tetrachloroethene	ND	5.1	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	0.19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.1	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	112%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51925.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	15	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	67	9.6	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	67	8.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	7.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		30-109%
4165-62-2	Phenol-d5	62%		28-108%
118-79-6	2,4,6-Tribromophenol	73%		28-125%
4165-60-0	Nitrobenzene-d5	90%		28-113%
321-60-8	2-Fluorobiphenyl	89%		38-107%

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	80%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	780	ug/kg	J
	system artifact	3.00	140	ug/kg	J
	system artifact	3.06	200	ug/kg	J
	system artifact	3.12	610	ug/kg	J
	system artifact	3.17	440	ug/kg	J
	system artifact	3.25	340	ug/kg	J
	system artifact	3.31	610	ug/kg	J
	system artifact	4.19	360	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90750.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.62	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.42	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.67	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.42	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.46	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.54	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.46	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.59	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.48	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.58	ug/kg	
72-20-8	Endrin	ND	1.4	0.48	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.64	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.52	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.62	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.53	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.61	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		28-138%
877-09-8	Tetrachloro-m-xylene	87%		28-138%
2051-24-3	Decachlorobiphenyl	95%		22-156%
2051-24-3	Decachlorobiphenyl	99%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	85.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86716.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	23	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.8	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.7	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		33-141%
877-09-8	Tetrachloro-m-xylene	73%		33-141%
2051-24-3	Decachlorobiphenyl	95%		32-154%
2051-24-3	Decachlorobiphenyl	98%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	85.0
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3050	25	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.5	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	4.0	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 25	25	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.61	0.61	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.61	0.61	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 610	610	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	10.7	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 6.1	6.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	9.9	3.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	12200	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	5.1	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1080	610	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	55.2	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.034	0.034	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	5.3	4.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.5	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	11.4	6.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	16.1	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-6-8		
Lab Sample ID:	JA31420-4	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	85.0
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	10/31/09 10:42	NR	SW846 9012 M/LACHAT
Solids, Percent	85		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56565.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	5.1	5.0	0.30	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.1	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.14	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.0	0.52	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51917.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	40	ug/kg	
95-48-7	2-Methylphenol	ND	65	37	ug/kg	
	3&4-Methylphenol	ND	65	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	55	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	65	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.4	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	65	15	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	9.8	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	9.6	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	65	9.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	65	8.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	65	7.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	65	9.6	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	16	ug/kg	
84-66-2	Diethyl phthalate	ND	65	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	29	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	9.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	65	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	65	9.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	7.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	65	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		30-109%
4165-62-2	Phenol-d5	63%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	91%		28-113%
321-60-8	2-Fluorobiphenyl	92%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	770	ug/kg	J
	system artifact	3.06	160	ug/kg	J
	system artifact	3.12	510	ug/kg	J
	system artifact	3.17	400	ug/kg	J
	system artifact	3.25	280	ug/kg	J
	system artifact	3.31	550	ug/kg	J
	system artifact	4.19	400	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90773.D	1	10/31/09	TDR	10/29/09	OP40665	GXX3625
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.60	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.65	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.45	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.52	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.45	ug/kg	
72-54-8	4,4'-DDD [a]	5.9	1.3	0.57	ug/kg	
72-55-9	4,4'-DDE	1.8	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.56	ug/kg	
72-20-8	Endrin	ND	1.3	0.46	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.62	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.51	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.47	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		28-138%
877-09-8	Tetrachloro-m-xylene	108%		28-138%
2051-24-3	Decachlorobiphenyl	133%		22-156%
2051-24-3	Decachlorobiphenyl	124%		22-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	87.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86718.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.6	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.4	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		33-141%
877-09-8	Tetrachloro-m-xylene	78%		33-141%
2051-24-3	Decachlorobiphenyl	98%		32-154%
2051-24-3	Decachlorobiphenyl	102%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.9
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3000	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 22	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 550	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.3	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.5	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	9.4	2.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	8430	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	3.4	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	932	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	46.8	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	6.8	4.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	9.3	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	22.5	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-1-8-10		
Lab Sample ID:	JA31420-5	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.9
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	10/31/09 10:43	NR	SW846 9012 M/LACHAT
Solids, Percent	87.9		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56568.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.3	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.35	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.26	ug/kg	
75-25-2	Bromoform	ND	5.2	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.35	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.2	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.46	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.2	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.099	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/kg	
591-78-6	2-Hexanone	ND	5.2	0.99	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	0.84	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.23	ug/kg	
100-42-5	Styrene	ND	5.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.30	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.2	0.54	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		67-127%
17060-07-0	1,2-Dichloroethane-D4	111%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51928.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	40	ug/kg	
95-48-7	2-Methylphenol	ND	66	37	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	55	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	66	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.5	ug/kg	
208-96-8	Acenaphthylene	ND	33	10	ug/kg	
120-12-7	Anthracene	ND	33	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	66	15	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	9.9	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.7	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	9.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	66	9.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	66	8.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	66	7.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	66	9.7	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	ND	33	14	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.1	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.1	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	11	ug/kg	
78-59-1	Isophorone	ND	66	8.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.0	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	66	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		30-109%
4165-62-2	Phenol-d5	59%		28-108%
118-79-6	2,4,6-Tribromophenol	61%		28-125%
4165-60-0	Nitrobenzene-d5	88%		28-113%
321-60-8	2-Fluorobiphenyl	90%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	740	ug/kg	J
	system artifact	3.06	170	ug/kg	J
	system artifact	3.12	540	ug/kg	J
	system artifact	3.17	410	ug/kg	J
	system artifact	3.25	300	ug/kg	J
	system artifact	3.31	540	ug/kg	J
	system artifact	4.19	630	ug/kg	J
	alkane	4.63	240	ug/kg	J
	unknown	19.24	150	ug/kg	J
	unknown	19.45	170	ug/kg	J
	Total TIC, Semi-Volatile		560	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90774.D	1	10/31/09	TDR	10/29/09	OP40665	GXX3625
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.60	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.65	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.45	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.53	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.45	ug/kg	
72-54-8	4,4'-DDD	14.1	1.3	0.57	ug/kg	
72-55-9	4,4'-DDE	2.8	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT [a]	4.7	1.3	0.56	ug/kg	
72-20-8	Endrin	ND	1.3	0.47	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.63	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.46	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.51	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.52	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.60	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		28-138%
877-09-8	Tetrachloro-m-xylene	105%		28-138%
2051-24-3	Decachlorobiphenyl	93%		22-156%
2051-24-3	Decachlorobiphenyl	100%		22-156%

(a) Reported from 1st signal. %D of check on 2nd signal excess method criteria (15 %) so using for confirmation only.

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	86.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86719.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	12	ug/kg	
11104-28-2	Aroclor 1221	ND	34	22	ug/kg	
11141-16-5	Aroclor 1232	ND	34	11	ug/kg	
53469-21-9	Aroclor 1242	ND	34	12	ug/kg	
12672-29-6	Aroclor 1248	ND	34	6.7	ug/kg	
11097-69-1	Aroclor 1254	ND	34	8.5	ug/kg	
11096-82-5	Aroclor 1260	ND	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		33-141%
877-09-8	Tetrachloro-m-xylene	74%		33-141%
2051-24-3	Decachlorobiphenyl	84%		32-154%
2051-24-3	Decachlorobiphenyl	87%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	86.6
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4870	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	6.2	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 23	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 580	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	30.0	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	19.1	2.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	23500	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	9.8	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1660	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	93.9	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.095	0.036	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	9.7	4.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	25.6	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	25.6	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-0-2		
Lab Sample ID:	JA31420-6	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	86.6
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	10/31/09 10:44	NR	SW846 9012 M/LACHAT
Solids, Percent	86.6		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56569.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.0	9.5	2.1	ug/kg	
71-43-2	Benzene	ND	0.95	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	0.24	ug/kg	
75-25-2	Bromoform	ND	4.7	0.14	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.5	1.9	ug/kg	
75-15-0	Carbon disulfide	1.8	4.7	0.29	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.7	0.53	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.32	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.1	ug/kg	
67-66-3	Chloroform	ND	4.7	0.30	ug/kg	
74-87-3	Chloromethane	ND	4.7	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	0.10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.95	0.33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.7	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.7	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.7	0.43	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4.7	0.23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	0.12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.091	ug/kg	
100-41-4	Ethylbenzene	ND	0.95	0.35	ug/kg	
591-78-6	2-Hexanone	ND	4.7	0.91	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	0.77	ug/kg	
75-09-2	Methylene chloride	ND	4.7	0.21	ug/kg	
100-42-5	Styrene	ND	4.7	0.10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	0.28	ug/kg	
127-18-4	Tetrachloroethene	ND	4.7	0.14	ug/kg	
108-88-3	Toluene	4.2	0.95	0.28	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	4.7	0.50	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	116%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51927.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	51	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	36	ug/kg	
	3&4-Methylphenol	ND	64	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	54	ug/kg	
108-95-2	Phenol	ND	64	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.2	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	18	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	9.9	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.4	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.6	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	64	9.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	64	8.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	64	7.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.4	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	15	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	28	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	ND	32	8.7	ug/kg	
98-95-3	Nitrobenzene	ND	64	9.2	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	14	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	64	8.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-109%
4165-62-2	Phenol-d5	53%		28-108%
118-79-6	2,4,6-Tribromophenol	52%		28-125%
4165-60-0	Nitrobenzene-d5	83%		28-113%
321-60-8	2-Fluorobiphenyl	84%		38-107%

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	960	ug/kg	J
	system artifact	3.00	130	ug/kg	J
	system artifact	3.06	180	ug/kg	J
	system artifact	3.12	490	ug/kg	J
	system artifact	3.18	480	ug/kg	J
	system artifact	3.25	280	ug/kg	J
	system artifact	3.31	600	ug/kg	J
	system artifact	4.19	990	ug/kg	J
	alkane	4.63	290	ug/kg	J
	unknown	18.41	130	ug/kg	J
	unknown	19.24	140	ug/kg	J
	Total TIC, Semi-Volatile		560	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90865.D	1	11/04/09	JSE	10/29/09	OP40665	GXX3628
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.59	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	20.1	1.3	0.56	ug/kg	
72-55-9	4,4'-DDE	2.4	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.55	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.61	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.50	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		28-138%
877-09-8	Tetrachloro-m-xylene	74%		28-138%
2051-24-3	Decachlorobiphenyl	82%		22-156%
2051-24-3	Decachlorobiphenyl	82%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	89.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86720.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.5	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.2	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		33-141%
877-09-8	Tetrachloro-m-xylene	57%		33-141%
2051-24-3	Decachlorobiphenyl	74%		32-154%
2051-24-3	Decachlorobiphenyl	76%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	89.4
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4670	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	6.7	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 23	23	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 580	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	32.5	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	16.4	2.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	20600	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	7.9	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1590	580	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	78.3	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.060	0.033	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	8.1	4.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	26.8	5.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	28.3	2.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-2-4		
Lab Sample ID:	JA31420-7	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	89.4
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	10/31/09 10:46	NR	SW846 9012 M/LACHAT
Solids, Percent	89.4		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56570.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.8	9.3	2.1	ug/kg	
71-43-2	Benzene	ND	0.93	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	0.24	ug/kg	
75-25-2	Bromoform	ND	4.6	0.14	ug/kg	
74-83-9	Bromomethane	ND	4.6	0.37	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.3	1.8	ug/kg	
75-15-0	Carbon disulfide	1.2	4.6	0.28	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.6	0.51	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	0.31	ug/kg	
75-00-3	Chloroethane	ND	4.6	1.1	ug/kg	
67-66-3	Chloroform	ND	4.6	0.29	ug/kg	
74-87-3	Chloromethane	ND	4.6	0.15	ug/kg	
124-48-1	Dibromochloromethane	ND	4.6	0.10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.6	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.6	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.6	0.42	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4.6	0.22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	0.12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	0.12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	0.089	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.34	ug/kg	
591-78-6	2-Hexanone	ND	4.6	0.89	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.6	0.75	ug/kg	
75-09-2	Methylene chloride	ND	4.6	0.21	ug/kg	
100-42-5	Styrene	ND	4.6	0.099	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	0.27	ug/kg	
127-18-4	Tetrachloroethene	ND	4.6	0.13	ug/kg	
108-88-3	Toluene	0.43	0.93	0.27	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	4.6	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	0.17	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	4.6	0.49	ug/kg	
75-01-4	Vinyl chloride	ND	4.6	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	117%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51924.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2 [a]	Z51938.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	36	ug/kg	
	3&4-Methylphenol	ND	64	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.3	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	9.9	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.6	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	64	9.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	64	8.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	64	7.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	49.8	64	11	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	28	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	ND	32	8.7	ug/kg	
98-95-3	Nitrobenzene	ND	64	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	64	8.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%	63%	30-109%
4165-62-2	Phenol-d5	54%	58%	28-108%
118-79-6	2,4,6-Tribromophenol	66%	63%	28-125%
4165-60-0	Nitrobenzene-d5	75%	73%	28-113%
321-60-8	2-Fluorobiphenyl	73%	72%	38-107%

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Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	60%	56%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	730	ug/kg	J
	system artifact	3.26	450	ug/kg	J
	system artifact	3.31	170	ug/kg	J
	system artifact	4.24	390	ug/kg	J
	alkane	4.64	280	ug/kg	J
	unknown	9.75	360	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	13.31	3400	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.51	500	ug/kg	JN
	Total TIC, Semi-Volatile		4540	ug/kg	J

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42490.D	1	11/10/09	JSE	10/29/09	OP40665	G2G1615
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.58	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	1.6	1.3	0.56	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.55	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.61	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.50	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	45%		28-138%
877-09-8	Tetrachloro-m-xylene	48%		28-138%
2051-24-3	Decachlorobiphenyl	63%		22-156%
2051-24-3	Decachlorobiphenyl	60%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	88.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86721.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.5	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.2	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	38%		33-141%
877-09-8	Tetrachloro-m-xylene	38%		33-141%
2051-24-3	Decachlorobiphenyl	64%		32-154%
2051-24-3	Decachlorobiphenyl	65%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	88.5
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4510	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Arsenic	4.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Barium	< 22	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Beryllium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Cadmium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Calcium	742	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Chromium	14.2	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Cobalt	< 5.5	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Copper	13.4	2.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Iron	21200	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Lead	8.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Magnesium	1680	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Manganese	91.2	1.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Mercury	< 0.032	0.032	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [4]
Nickel	9.4	4.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Potassium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [5]
Vanadium	19.3	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Zinc	31.4	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50440
(5) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-4-6		
Lab Sample ID:	JA31420-8	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	88.5
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	10/31/09 10:47	NR	SW846 9012 M/LACHAT
Solids, Percent	88.5		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56571.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.3	9.5	2.1	ug/kg	J
71-43-2	Benzene	ND	0.95	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	0.24	ug/kg	
75-25-2	Bromoform	ND	4.7	0.14	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.5	1.9	ug/kg	
75-15-0	Carbon disulfide	1.5	4.7	0.29	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.7	0.53	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.32	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.1	ug/kg	
67-66-3	Chloroform	ND	4.7	0.30	ug/kg	
74-87-3	Chloromethane	ND	4.7	0.16	ug/kg	
124-48-1	Dibromochloromethane	ND	4.7	0.10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	0.13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.95	0.33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4.7	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4.7	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4.7	0.43	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4.7	0.23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	0.12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.091	ug/kg	
100-41-4	Ethylbenzene	ND	0.95	0.35	ug/kg	
591-78-6	2-Hexanone	ND	4.7	0.91	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	0.77	ug/kg	
75-09-2	Methylene chloride	ND	4.7	0.21	ug/kg	
100-42-5	Styrene	ND	4.7	0.10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	0.28	ug/kg	
127-18-4	Tetrachloroethene	ND	4.7	0.14	ug/kg	
108-88-3	Toluene	ND	0.95	0.28	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	4.7	0.50	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		67-127%
17060-07-0	1,2-Dichloroethane-D4	114%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51922.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	39	ug/kg	
95-48-7	2-Methylphenol	ND	65	37	ug/kg	
	3&4-Methylphenol	ND	65	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	55	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	65	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.4	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	65	15	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	9.6	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	9.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	65	9.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	65	8.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	65	7.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	65	9.6	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	16	ug/kg	
84-66-2	Diethyl phthalate	ND	65	11	ug/kg	
131-11-3	Dimethyl phthalate	40.5	65	11	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	29	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	9.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	65	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	65	9.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	7.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	65	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	88%		30-109%
4165-62-2	Phenol-d5	87%		28-108%
118-79-6	2,4,6-Tribromophenol	81%		28-125%
4165-60-0	Nitrobenzene-d5	89%		28-113%
321-60-8	2-Fluorobiphenyl	81%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	71%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.22	410	ug/kg	J
	system artifact/aldol-condensation	2.80	940	ug/kg	J
	system artifact	3.25	220	ug/kg	J
	system artifact	3.42	170	ug/kg	J
	unknown	4.31	680	ug/kg	J
	unknown acid	4.46	230	ug/kg	J
	alkane	4.65	450	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	13.51	310	ug/kg	JN
	Total TIC, Semi-Volatile		1670	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42491.D	1	11/10/09	JSE	10/29/09	OP40665	G2G1615
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.59	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.64	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	1.5	1.3	0.56	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.55	ug/kg	
72-20-8	Endrin	ND	1.3	0.46	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.62	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.50	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		28-138%
877-09-8	Tetrachloro-m-xylene	73%		28-138%
2051-24-3	Decachlorobiphenyl	100%		22-156%
2051-24-3	Decachlorobiphenyl	88%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	87.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86722.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.5	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.3	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		33-141%
877-09-8	Tetrachloro-m-xylene	67%		33-141%
2051-24-3	Decachlorobiphenyl	92%		32-154%
2051-24-3	Decachlorobiphenyl	95%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.8
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3220	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	3.1	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	< 24	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.59	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.59	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 590	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.6	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.9	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	13.0	3.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	10900	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	2.8	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	1080	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	62.6	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.037	0.037	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	6.0	4.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	11.3	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	18.2	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-6-8		
Lab Sample ID:	JA31420-9	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.8
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	10/31/09 10:48	NR	SW846 9012 M/LACHAT
Solids, Percent	87.8		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56572.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.8	11	2.4	ug/kg	J
71-43-2	Benzene	ND	1.1	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.27	ug/kg	
75-25-2	Bromoform	ND	5.3	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	2.1	5.3	0.32	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.3	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.36	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.2	ug/kg	
67-66-3	Chloroform	ND	5.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.48	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.3	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.39	ug/kg	
591-78-6	2-Hexanone	ND	5.3	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	0.86	ug/kg	
75-09-2	Methylene chloride	ND	5.3	0.24	ug/kg	
100-42-5	Styrene	ND	5.3	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.15	ug/kg	
108-88-3	Toluene	ND	1.1	0.31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.3	0.56	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.50	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	110%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51931.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	47.3	70	12	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		30-109%
4165-62-2	Phenol-d5	50%		28-108%
118-79-6	2,4,6-Tribromophenol	69%		28-125%
4165-60-0	Nitrobenzene-d5	73%		28-113%
321-60-8	2-Fluorobiphenyl	76%		38-107%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	67%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	730	ug/kg	J
	system artifact	3.12	280	ug/kg	J
	system artifact	3.20	400	ug/kg	J
	system artifact	3.24	160	ug/kg	J
	system artifact	3.31	340	ug/kg	J
	system artifact	4.21	550	ug/kg	J
	unknown acid	4.45	150	ug/kg	J
	alkane	4.64	730	ug/kg	J
	unknown	9.74	210	ug/kg	J
57-10-3	n-Hexadecanoic acid	12.69	150	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.26	240	ug/kg	JN
	Total TIC, Semi-Volatile		1480	ug/kg	J

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX90867.D	1	11/04/09	JSE	10/29/09	OP40665	GXX3628
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.45	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.49	ug/kg	
72-54-8	4,4'-DDD	2.0	1.4	0.62	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.61	ug/kg	
72-20-8	Endrin	ND	1.4	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.64	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		28-138%
877-09-8	Tetrachloro-m-xylene	92%		28-138%
2051-24-3	Decachlorobiphenyl	81%		22-156%
2051-24-3	Decachlorobiphenyl	92%		22-156%

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	81.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF86723.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	13	ug/kg	
11104-28-2	Aroclor 1221	ND	36	24	ug/kg	
11141-16-5	Aroclor 1232	ND	36	12	ug/kg	
53469-21-9	Aroclor 1242	ND	36	13	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	36	9.1	ug/kg	
11096-82-5	Aroclor 1260	ND	36	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		33-141%
877-09-8	Tetrachloro-m-xylene	88%		33-141%
2051-24-3	Decachlorobiphenyl	94%		32-154%
2051-24-3	Decachlorobiphenyl	97%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	81.0
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7060	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	13.2	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	34.0	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.61	0.61	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.61	0.61	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	667	610	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	22.4	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 6.1	6.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	27.8	3.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	31900	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	22.1	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	2200	610	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	92.7	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.081	0.037	mg/kg	1	11/07/09	11/07/09	TG	SW846 7471A [1]	SW846 7471A [3]
Nickel	10.0	4.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	2500	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Vanadium	31.1	6.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	36.0	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23420
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50440
(4) Prep QC Batch: MP50447

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-2-8-10		
Lab Sample ID:	JA31420-10	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	81.0
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	10/31/09 10:52	NR	SW846 9012 M/LACHAT
Solids, Percent	81		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56573.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	41.1	13	3.0	ug/kg	
71-43-2	Benzene	ND	1.3	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	0.35	ug/kg	
75-25-2	Bromoform	ND	6.7	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.7	0.54	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.7	ug/kg	
75-15-0	Carbon disulfide	3.9	6.7	0.41	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.7	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.7	1.5	ug/kg	
67-66-3	Chloroform	ND	6.7	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.89	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.7	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.60	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.7	0.32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.50	ug/kg	
591-78-6	2-Hexanone	ND	6.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.7	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.30	ug/kg	
100-42-5	Styrene	ND	6.7	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.7	0.20	ug/kg	
108-88-3	Toluene	ND	1.3	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	0.25	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	6.7	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.24	ug/kg	
1330-20-7	Xylene (total)	ND	2.7	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		67-127%
17060-07-0	1,2-Dichloroethane-D4	122%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51929.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	69	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	72	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	850	52	ug/kg	
95-48-7	2-Methylphenol	ND	85	49	ug/kg	
	3&4-Methylphenol	ND	85	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	430	72	ug/kg	
87-86-5	Pentachlorophenol	ND	430	73	ug/kg	
108-95-2	Phenol	ND	85	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	50	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	ND	43	12	ug/kg	
208-96-8	Acenaphthylene	ND	43	14	ug/kg	
120-12-7	Anthracene	ND	43	15	ug/kg	
56-55-3	Benzo(a)anthracene	23.1	43	14	ug/kg	J
50-32-8	Benzo(a)pyrene	14.6	43	13	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	85	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	85	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	85	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	ND	85	20	ug/kg	
218-01-9	Chrysene	20.9	43	14	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	85	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	85	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	85	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	85	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	85	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	85	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	85	9.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	85	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	85	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	43	15	ug/kg	
132-64-9	Dibenzofuran	ND	85	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	85	9.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	85	21	ug/kg	
84-66-2	Diethyl phthalate	ND	85	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	85	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	85	38	ug/kg	
206-44-0	Fluoranthene	20.8	43	19	ug/kg	J
86-73-7	Fluorene	ND	43	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	85	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	850	44	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	43	15	ug/kg	
78-59-1	Isophorone	ND	85	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	85	24	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	ND	43	12	ug/kg	
98-95-3	Nitrobenzene	ND	85	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	85	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	26	ug/kg	
85-01-8	Phenanthrene	ND	43	19	ug/kg	
129-00-0	Pyrene	34.5	43	16	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	85	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		30-109%
4165-62-2	Phenol-d5	81%		28-108%
118-79-6	2,4,6-Tribromophenol	76%		28-125%
4165-60-0	Nitrobenzene-d5	78%		28-113%
321-60-8	2-Fluorobiphenyl	72%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	65%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.34	800	ug/kg	J
	system artifact/aldol-condensation	2.80	890	ug/kg	J
	system artifact	4.33	1000	ug/kg	J
	unknown	4.65	1300	ug/kg	J
	unknown	9.75	200	ug/kg	J
	unknown	18.41	340	ug/kg	J
	unknown	19.25	320	ug/kg	J
	unknown	19.67	240	ug/kg	J
	Total TIC, Semi-Volatile		2400	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42556.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.8	0.79	ug/kg	
319-84-6	alpha-BHC	ND	1.8	0.54	ug/kg	
319-85-7	beta-BHC	ND	1.8	0.86	ug/kg	
319-86-8	delta-BHC	ND	1.8	0.48	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.8	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.8	0.69	ug/kg	
60-57-1	Dieldrin	ND	1.8	0.59	ug/kg	
72-54-8	4,4'-DDD	4.5	1.8	0.76	ug/kg	
72-55-9	4,4'-DDE	ND	1.8	0.61	ug/kg	
50-29-3	4,4'-DDT	ND	1.8	0.74	ug/kg	
72-20-8	Endrin	ND	1.8	0.61	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.8	0.67	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.8	0.83	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	0.60	ug/kg	
33213-65-9	Endosulfan-II	ND	1.8	0.67	ug/kg	
76-44-8	Heptachlor	ND	1.8	0.79	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	0.68	ug/kg	
72-43-5	Methoxychlor	ND	1.8	0.79	ug/kg	
53494-70-5	Endrin ketone	ND	1.8	0.63	ug/kg	
8001-35-2	Toxaphene	ND	22	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		28-138%
877-09-8	Tetrachloro-m-xylene	63%		28-138%
2051-24-3	Decachlorobiphenyl	67%		22-156%
2051-24-3	Decachlorobiphenyl	70%		22-156%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	66.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84654.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	44	16	ug/kg	
11104-28-2	Aroclor 1221	ND	44	29	ug/kg	
11141-16-5	Aroclor 1232	ND	44	14	ug/kg	
53469-21-9	Aroclor 1242	ND	44	16	ug/kg	
12672-29-6	Aroclor 1248	ND	44	8.6	ug/kg	
11097-69-1	Aroclor 1254	ND	44	11	ug/kg	
11096-82-5	Aroclor 1260	ND	44	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39%		33-141%
877-09-8	Tetrachloro-m-xylene	42%		33-141%
2051-24-3	Decachlorobiphenyl	42%		32-154%
2051-24-3	Decachlorobiphenyl	44%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	66.3
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	13200	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	18.8	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	41.1	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.51	0.51	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.74	0.51	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	911	510	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	32.4	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	7.5	5.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	42.4	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	32100	10	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	32.1	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	3700	510	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	225	1.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.099	0.044	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	20.6	4.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	2350	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	40.0	5.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	81.3	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-0-2		
Lab Sample ID:	JA31420-11	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	66.3
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.34	0.34	mg/kg	1	10/31/09 10:53	NR	SW846 9012 M/LACHAT
Solids, Percent	66.3		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56574.D	1	11/07/09	DPP	10/28/09 08:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.9	16	3.5	ug/kg	
71-43-2	Benzene	ND	1.6	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	7.9	0.40	ug/kg	
75-25-2	Bromoform	ND	7.9	0.24	ug/kg	
74-83-9	Bromomethane	ND	7.9	0.64	ug/kg	
78-93-3	2-Butanone (MEK)	ND	16	3.1	ug/kg	
75-15-0	Carbon disulfide	3.1	7.9	0.48	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.9	0.87	ug/kg	
108-90-7	Chlorobenzene	ND	7.9	0.53	ug/kg	
75-00-3	Chloroethane	ND	7.9	1.8	ug/kg	
67-66-3	Chloroform	ND	7.9	0.50	ug/kg	
74-87-3	Chloromethane	ND	7.9	0.26	ug/kg	
124-48-1	Dibromochloromethane	ND	7.9	0.17	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.9	0.22	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.9	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.9	0.38	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.9	0.71	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.9	0.38	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.9	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.9	0.21	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.9	0.15	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.58	ug/kg	
591-78-6	2-Hexanone	ND	7.9	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.9	1.3	ug/kg	
75-09-2	Methylene chloride	ND	7.9	0.35	ug/kg	
100-42-5	Styrene	ND	7.9	0.17	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.9	0.46	ug/kg	
127-18-4	Tetrachloroethene	ND	7.9	0.23	ug/kg	
108-88-3	Toluene	1.2	1.6	0.46	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	7.9	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.9	0.29	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	7.9	0.83	ug/kg	
75-01-4	Vinyl chloride	ND	7.9	0.28	ug/kg	
1330-20-7	Xylene (total)	ND	3.1	0.74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		67-127%
17060-07-0	1,2-Dichloroethane-D4	120%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Z51940.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905
Run #2 [b]	Z51944.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	70	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	51	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	840	51	ug/kg	
95-48-7	2-Methylphenol	ND	84	48	ug/kg	
	3&4-Methylphenol	ND	84	53	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	420	71	ug/kg	
87-86-5	Pentachlorophenol	ND	420	72	ug/kg	
108-95-2	Phenol	ND	84	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	ND	42	12	ug/kg	
208-96-8	Acenaphthylene	ND	42	13	ug/kg	
120-12-7	Anthracene	ND	42	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	42	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	42	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	42	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	ND	84	19	ug/kg	
218-01-9	Chrysene	14.2	42	14	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	84	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	84	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	13	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	84	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	84	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	84	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	84	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	84	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	14	ug/kg	
132-64-9	Dibenzofuran	ND	84	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	84	9.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	84	20	ug/kg	
84-66-2	Diethyl phthalate	ND	84	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	79.1	84	37	ug/kg	J
206-44-0	Fluoranthene	20.1	42	18	ug/kg	J
86-73-7	Fluorene	ND	42	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	84	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	840	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	15	ug/kg	
78-59-1	Isophorone	ND	84	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	84	23	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	ND	42	11	ug/kg	
98-95-3	Nitrobenzene	ND	84	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	84	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	ND	42	19	ug/kg	
129-00-0	Pyrene	25.8	42	16	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	84	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	70%	30-109%
4165-62-2	Phenol-d5	69%	66%	28-108%
118-79-6	2,4,6-Tribromophenol	79%	78%	28-125%
4165-60-0	Nitrobenzene-d5	87%	88%	28-113%
321-60-8	2-Fluorobiphenyl	85%	85%	38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	74%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.80	1100	ug/kg	J
	system artifact	3.25	330	ug/kg	J
	system artifact	3.30	430	ug/kg	J
	system artifact	4.25	1000	ug/kg	J
	alkane	4.64	1400	ug/kg	J
	unknown	5.28	570	ug/kg	J
	unknown	9.74	390	ug/kg	J
	unknown	11.95	200	ug/kg	J
	unknown	11.98	690	ug/kg	J
	unknown	12.02	250	ug/kg	J
	unknown	12.13	350	ug/kg	J
	unknown	12.25	330	ug/kg	J
	alkane	12.34	470	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	12.65	250	ug/kg	JN
57-10-3	n-Hexadecanoic acid	12.69	350	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.35	4800	ug/kg	JN
	alkane	16.05	300	ug/kg	J
	system artifact	16.56	230	ug/kg	J
	unknown	16.87	180	ug/kg	J
	unknown	17.91	490	ug/kg	J
	unknown	18.39	470	ug/kg	J
	unknown	18.64	320	ug/kg	J
	unknown	18.80	470	ug/kg	J
	unknown	19.17	300	ug/kg	J
	unknown	19.23	800	ug/kg	J
	unknown	19.42	520	ug/kg	J
	unknown	19.54	230	ug/kg	J
	unknown	19.67	430	ug/kg	J
	unknown	19.86	540	ug/kg	J
	Total TIC, Semi-Volatile		15100	ug/kg	J

(a) high internal
(b) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42526.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.7	0.77	ug/kg	
319-84-6	alpha-BHC	ND	1.7	0.53	ug/kg	
319-85-7	beta-BHC	ND	1.7	0.83	ug/kg	
319-86-8	delta-BHC	ND	1.7	0.47	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	0.53	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.7	0.58	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.7	0.67	ug/kg	
60-57-1	Dieldrin	ND	1.7	0.58	ug/kg	
72-54-8	4,4'-DDD	ND	1.7	0.73	ug/kg	
72-55-9	4,4'-DDE	ND	1.7	0.59	ug/kg	
50-29-3	4,4'-DDT	ND	1.7	0.72	ug/kg	
72-20-8	Endrin	ND	1.7	0.59	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.7	0.65	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.7	0.80	ug/kg	
959-98-8	Endosulfan-I	ND	1.7	0.58	ug/kg	
33213-65-9	Endosulfan-II	ND	1.7	0.65	ug/kg	
76-44-8	Heptachlor	ND	1.7	0.77	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	0.66	ug/kg	
72-43-5	Methoxychlor	ND	1.7	0.76	ug/kg	
53494-70-5	Endrin ketone	ND	1.7	0.61	ug/kg	
8001-35-2	Toxaphene	ND	21	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		28-138%
877-09-8	Tetrachloro-m-xylene	62%		28-138%
2051-24-3	Decachlorobiphenyl	70%		22-156%
2051-24-3	Decachlorobiphenyl	67%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	67.6
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84661.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	43	15	ug/kg	
11104-28-2	Aroclor 1221	ND	43	28	ug/kg	
11141-16-5	Aroclor 1232	ND	43	14	ug/kg	
53469-21-9	Aroclor 1242	ND	43	15	ug/kg	
12672-29-6	Aroclor 1248	ND	43	8.5	ug/kg	
11097-69-1	Aroclor 1254	ND	43	11	ug/kg	
11096-82-5	Aroclor 1260	ND	43	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		33-141%
877-09-8	Tetrachloro-m-xylene	87%		33-141%
2051-24-3	Decachlorobiphenyl	87%		32-154%
2051-24-3	Decachlorobiphenyl	88%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	67.6
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8260	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	9.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	28.7	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	1040	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	20.6	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 5.5	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	24.7	2.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	22100	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	20.5	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	2990	550	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	165	1.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.11	0.046	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	13.8	4.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	1590	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	25.4	5.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	50.5	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-2-4		
Lab Sample ID:	JA31420-12	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	67.6
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	10/31/09 10:54	NR	SW846 9012 M/LACHAT
Solids, Percent	67.6		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56575.D	1	11/07/09	DPP	10/28/09 09:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.1	15	3.4	ug/kg	
71-43-2	Benzene	ND	1.5	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	7.6	0.39	ug/kg	
75-25-2	Bromoform	ND	7.6	0.23	ug/kg	
74-83-9	Bromomethane	ND	7.6	0.61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.0	ug/kg	
75-15-0	Carbon disulfide	1.7	7.6	0.46	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.6	0.84	ug/kg	
108-90-7	Chlorobenzene	ND	7.6	0.51	ug/kg	
75-00-3	Chloroethane	ND	7.6	1.7	ug/kg	
67-66-3	Chloroform	ND	7.6	0.48	ug/kg	
74-87-3	Chloromethane	ND	7.6	0.25	ug/kg	
124-48-1	Dibromochloromethane	ND	7.6	0.17	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.6	0.21	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.6	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.6	0.36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.6	0.68	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.6	0.36	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.6	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.6	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.6	0.15	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.56	ug/kg	
591-78-6	2-Hexanone	ND	7.6	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.6	1.2	ug/kg	
75-09-2	Methylene chloride	ND	7.6	0.34	ug/kg	
100-42-5	Styrene	ND	7.6	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.6	0.44	ug/kg	
127-18-4	Tetrachloroethene	ND	7.6	0.22	ug/kg	
108-88-3	Toluene	ND	1.5	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.6	0.19	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.6	0.28	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	7.6	0.80	ug/kg	
75-01-4	Vinyl chloride	ND	7.6	0.27	ug/kg	
1330-20-7	Xylene (total)	ND	3.0	0.71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		67-127%
17060-07-0	1,2-Dichloroethane-D4	116%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51942.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905
Run #2 [a]	Z51945.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	62	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	770	47	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	770	47	ug/kg	
95-48-7	2-Methylphenol	ND	77	44	ug/kg	
	3&4-Methylphenol	ND	77	49	ug/kg	
88-75-5	2-Nitrophenol	ND	190	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	65	ug/kg	
87-86-5	Pentachlorophenol	ND	390	66	ug/kg	
108-95-2	Phenol	ND	77	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	36	ug/kg	
83-32-9	Acenaphthene	ND	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	12	ug/kg	
120-12-7	Anthracene	ND	39	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	ND	77	18	ug/kg	
218-01-9	Chrysene	ND	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	77	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	77	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	77	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	77	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	77	8.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	77	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	77	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	13	ug/kg	
132-64-9	Dibenzofuran	ND	77	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	8.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	77	19	ug/kg	
84-66-2	Diethyl phthalate	ND	77	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	77	34	ug/kg	
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	770	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	13	ug/kg	
78-59-1	Isophorone	ND	77	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	77	22	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	77	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	9.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	ND	39	18	ug/kg	
129-00-0	Pyrene	18.5	39	15	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	77	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%	68%	30-109%
4165-62-2	Phenol-d5	67%	64%	28-108%
118-79-6	2,4,6-Tribromophenol	85%	86%	28-125%
4165-60-0	Nitrobenzene-d5	88%	89%	28-113%
321-60-8	2-Fluorobiphenyl	87%	87%	38-107%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%	77%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	940	ug/kg	J
	system artifact	3.22	500	ug/kg	J
	system artifact	4.22	770	ug/kg	J
	alkane	4.64	1000	ug/kg	J
	unknown	9.74	550	ug/kg	J
	Sulfur	11.93	180	ug/kg	J
	alkane	12.34	470	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	12.65	240	ug/kg	J
57-10-3	n-Hexadecanoic acid	12.69	320	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.28	5200	ug/kg	JN
	unknown	17.92	180	ug/kg	J
	unknown	18.39	360	ug/kg	J
	unknown	18.65	370	ug/kg	J
	unknown	19.24	620	ug/kg	J
	unknown	19.43	490	ug/kg	J
	unknown	19.53	170	ug/kg	J
	unknown	19.66	280	ug/kg	J
	unknown	19.85	360	ug/kg	J
	Total TIC, Semi-Volatile		10790	ug/kg	J

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42525.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.6	0.72	ug/kg	
319-84-6	alpha-BHC	ND	1.6	0.49	ug/kg	
319-85-7	beta-BHC	ND	1.6	0.77	ug/kg	
319-86-8	delta-BHC	ND	1.6	0.44	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.6	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.6	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.6	0.62	ug/kg	
60-57-1	Dieldrin	ND	1.6	0.54	ug/kg	
72-54-8	4,4'-DDD	3.0	1.6	0.68	ug/kg	
72-55-9	4,4'-DDE	ND	1.6	0.55	ug/kg	
50-29-3	4,4'-DDT	6.2	1.6	0.67	ug/kg	
72-20-8	Endrin	ND	1.6	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.6	0.61	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.6	0.75	ug/kg	
959-98-8	Endosulfan-I	ND	1.6	0.55	ug/kg	
33213-65-9	Endosulfan-II	ND	1.6	0.61	ug/kg	
76-44-8	Heptachlor	ND	1.6	0.72	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.6	0.61	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.71	ug/kg	
53494-70-5	Endrin ketone	ND	1.6	0.57	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		28-138%
877-09-8	Tetrachloro-m-xylene	67%		28-138%
2051-24-3	Decachlorobiphenyl	83%		22-156%
2051-24-3	Decachlorobiphenyl	75%		22-156%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	73.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84662.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	14	ug/kg	
11104-28-2	Aroclor 1221	ND	39	26	ug/kg	
11141-16-5	Aroclor 1232	ND	39	13	ug/kg	
53469-21-9	Aroclor 1242	ND	39	14	ug/kg	
12672-29-6	Aroclor 1248	ND	39	7.8	ug/kg	
11097-69-1	Aroclor 1254	ND	39	9.9	ug/kg	
11096-82-5	Aroclor 1260	ND	39	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		33-141%
877-09-8	Tetrachloro-m-xylene	109%		33-141%
2051-24-3	Decachlorobiphenyl	101%		32-154%
2051-24-3	Decachlorobiphenyl	104%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	73.2
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10700	21	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	9.9	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	37.6	21	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	0.62	0.53	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.53	0.53	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	895	530	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	24.7	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	7.7	5.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	32.9	2.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	24900	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	24.7	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	3510	530	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	229	1.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.23	0.042	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	21.5	4.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	1960	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	31.9	5.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	81.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-4-6		
Lab Sample ID:	JA31420-13	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	73.2
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	10/31/09 10:55	NR	SW846 9012 M/LACHAT
Solids, Percent	73.2		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56576.D	1	11/08/09	DPP	10/28/09 09:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.7	17	3.8	ug/kg	
71-43-2	Benzene	ND	1.7	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	8.4	0.43	ug/kg	
75-25-2	Bromoform	ND	8.4	0.25	ug/kg	
74-83-9	Bromomethane	ND	8.4	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	ND	17	3.3	ug/kg	
75-15-0	Carbon disulfide	4.4	8.4	0.51	ug/kg	J
56-23-5	Carbon tetrachloride	ND	8.4	0.93	ug/kg	
108-90-7	Chlorobenzene	ND	8.4	0.57	ug/kg	
75-00-3	Chloroethane	ND	8.4	1.9	ug/kg	
67-66-3	Chloroform	ND	8.4	0.54	ug/kg	
74-87-3	Chloromethane	ND	8.4	0.28	ug/kg	
124-48-1	Dibromochloromethane	ND	8.4	0.19	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.4	0.23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.7	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8.4	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8.4	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8.4	0.76	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	8.4	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.4	0.22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.4	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.4	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.7	0.62	ug/kg	
591-78-6	2-Hexanone	ND	8.4	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8.4	1.4	ug/kg	
75-09-2	Methylene chloride	ND	8.4	0.38	ug/kg	
100-42-5	Styrene	ND	8.4	0.18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.4	0.49	ug/kg	
127-18-4	Tetrachloroethene	ND	8.4	0.24	ug/kg	
108-88-3	Toluene	0.80	1.7	0.49	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	8.4	0.22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.4	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	8.4	0.89	ug/kg	
75-01-4	Vinyl chloride	ND	8.4	0.30	ug/kg	
1330-20-7	Xylene (total)	ND	3.4	0.79	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		67-127%
17060-07-0	1,2-Dichloroethane-D4	126%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51941.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	69	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	72	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	860	52	ug/kg	
95-48-7	2-Methylphenol	ND	86	49	ug/kg	
	3&4-Methylphenol	ND	86	55	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	430	73	ug/kg	
87-86-5	Pentachlorophenol	ND	430	73	ug/kg	
108-95-2	Phenol	ND	86	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	50	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	ND	43	12	ug/kg	
208-96-8	Acenaphthylene	ND	43	14	ug/kg	
120-12-7	Anthracene	ND	43	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	43	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	43	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	86	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	86	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	86	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	ND	86	20	ug/kg	
218-01-9	Chrysene	ND	43	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	86	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	86	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	86	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	86	13	ug/kg	

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Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	86	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	86	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	86	9.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	86	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	86	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	43	15	ug/kg	
132-64-9	Dibenzofuran	ND	86	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	86	9.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	86	21	ug/kg	
84-66-2	Diethyl phthalate	ND	86	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	86	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	86	38	ug/kg	
206-44-0	Fluoranthene	ND	43	19	ug/kg	
86-73-7	Fluorene	ND	43	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	86	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	860	44	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	43	15	ug/kg	
78-59-1	Isophorone	ND	86	12	ug/kg	
91-57-6	2-Methylnaphthalene	ND	86	24	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	ND	43	12	ug/kg	
98-95-3	Nitrobenzene	ND	86	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	86	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	26	ug/kg	
85-01-8	Phenanthrene	ND	43	20	ug/kg	
129-00-0	Pyrene	ND	43	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	86	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		30-109%
4165-62-2	Phenol-d5	88%		28-108%
118-79-6	2,4,6-Tribromophenol	83%		28-125%
4165-60-0	Nitrobenzene-d5	92%		28-113%
321-60-8	2-Fluorobiphenyl	86%		38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.33	510	ug/kg	J
	system artifact	2.56	180	ug/kg	J
	system artifact/aldol-condensation	2.80	1000	ug/kg	J
	system artifact	4.33	970	ug/kg	J
	unknown	4.42	230	ug/kg	J
	unknown	4.65	710	ug/kg	J
	unknown	4.71	190	ug/kg	J
	unknown	18.39	330	ug/kg	J
	unknown	19.23	200	ug/kg	J
	Total TIC, Semi-Volatile		1660	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42557.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.8	0.79	ug/kg	
319-84-6	alpha-BHC	ND	1.8	0.55	ug/kg	
319-85-7	beta-BHC	ND	1.8	0.86	ug/kg	
319-86-8	delta-BHC	ND	1.8	0.48	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.8	0.55	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.8	0.60	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.8	0.69	ug/kg	
60-57-1	Dieldrin	ND	1.8	0.60	ug/kg	
72-54-8	4,4'-DDD	ND	1.8	0.76	ug/kg	
72-55-9	4,4'-DDE	ND	1.8	0.61	ug/kg	
50-29-3	4,4'-DDT	ND	1.8	0.74	ug/kg	
72-20-8	Endrin	ND	1.8	0.61	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.8	0.68	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.8	0.83	ug/kg	
959-98-8	Endosulfan-I	ND	1.8	0.61	ug/kg	
33213-65-9	Endosulfan-II	ND	1.8	0.68	ug/kg	
76-44-8	Heptachlor	ND	1.8	0.80	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.8	0.68	ug/kg	
72-43-5	Methoxychlor	ND	1.8	0.79	ug/kg	
53494-70-5	Endrin ketone	ND	1.8	0.63	ug/kg	
8001-35-2	Toxaphene	ND	22	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		28-138%
877-09-8	Tetrachloro-m-xylene	71%		28-138%
2051-24-3	Decachlorobiphenyl	94%		22-156%
2051-24-3	Decachlorobiphenyl	88%		22-156%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	66.0
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84663.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	44	16	ug/kg	
11104-28-2	Aroclor 1221	ND	44	29	ug/kg	
11141-16-5	Aroclor 1232	ND	44	14	ug/kg	
53469-21-9	Aroclor 1242	ND	44	16	ug/kg	
12672-29-6	Aroclor 1248	ND	44	8.7	ug/kg	
11097-69-1	Aroclor 1254	ND	44	11	ug/kg	
11096-82-5	Aroclor 1260	ND	44	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		33-141%
877-09-8	Tetrachloro-m-xylene	87%		33-141%
2051-24-3	Decachlorobiphenyl	92%		32-154%
2051-24-3	Decachlorobiphenyl	95%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	66.0
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15500	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Arsenic	7.4	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Barium	51.6	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Beryllium	0.67	0.51	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Cadmium	0.92	0.51	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Calcium	2710	510	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Chromium	30.8	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Cobalt	8.2	5.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Copper	12.7	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Iron	53700	20	mg/kg	2	11/09/09	11/11/09	GT	SW846 6010B [4]	SW846 3050B [5]
Lead	8.9	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Magnesium	5740	510	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Manganese	477	1.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Mercury	0.078	0.047	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [6]
Nickel	21.9	4.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Potassium	2940	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Sodium	1330	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [5]
Vanadium	35.6	5.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]
Zinc	65.6	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [5]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Instrument QC Batch: MA23447
(5) Prep QC Batch: MP50447
(6) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-6-8		
Lab Sample ID:	JA31420-14	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	66.0
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	10/31/09 10:56	NR	SW846 9012 M/LACHAT
Solids, Percent	66		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56577.D	1	11/08/09	DPP	10/28/09 09:00	n/a	V3C2492
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	38.5	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	1.7	6.0	0.37	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.0	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.4	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.0	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
591-78-6	2-Hexanone	ND	6.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
1330-20-7	Xylene (total)	0.90	2.4	0.56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		67-127%
17060-07-0	1,2-Dichloroethane-D4	122%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	87%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	14.29	7.6	ug/kg	J
	cycloalkane/alkene	14.43	6.6	ug/kg	J
	cycloalkane/alkene	15.22	8.5	ug/kg	J
	Naphthalene decahydro-methyl	16.83	6.3	ug/kg	J
	unknown	18.20	10	ug/kg	J
	Total TIC, Volatile		39	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51930.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	40	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	60	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	71	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	71	16	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	

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E = Indicates value exceeds calibration range

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	71	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	31	ug/kg	
206-44-0	Fluoranthene	ND	35	16	ug/kg	
86-73-7	Fluorene	ND	35	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	71	9.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	71	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.7	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	64%		28-125%
4165-60-0	Nitrobenzene-d5	67%		28-113%
321-60-8	2-Fluorobiphenyl	71%		38-107%

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Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	65%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	830	ug/kg	J
	system artifact	3.12	380	ug/kg	J
	system artifact	3.18	440	ug/kg	J
	system artifact	3.25	210	ug/kg	J
	system artifact	3.31	460	ug/kg	J
	system artifact	4.19	700	ug/kg	J
	alkane	4.63	440	ug/kg	J
	unknown	9.74	410	ug/kg	J
	unknown	11.94	160	ug/kg	J
	alkane	12.35	620	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	13.34	4700	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.51	480	ug/kg	JN
	unknown	17.59	170	ug/kg	J
	unknown	18.40	240	ug/kg	J
	unknown	19.86	150	ug/kg	J
	Total TIC, Semi-Volatile		7370	ug/kg	J

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42558.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.70	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.45	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.49	ug/kg	
72-54-8	4,4'-DDD	3.2	1.5	0.62	ug/kg	
72-55-9	4,4'-DDE	1.9	1.5	0.50	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.61	ug/kg	
72-20-8	Endrin	ND	1.5	0.50	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.55	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.65	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		28-138%
877-09-8	Tetrachloro-m-xylene	66%		28-138%
2051-24-3	Decachlorobiphenyl	81%		22-156%
2051-24-3	Decachlorobiphenyl	84%		22-156%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	80.1
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84664.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	24	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.2	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.2	ug/kg	
11096-82-5	Aroclor 1260	ND	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		33-141%
877-09-8	Tetrachloro-m-xylene	100%		33-141%
2051-24-3	Decachlorobiphenyl	97%		32-154%
2051-24-3	Decachlorobiphenyl	99%		32-154%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	80.1
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8350	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	10.9	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	34.1	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.59	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.88	0.59	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	1250	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	20.7	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	6.6	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	22.6	3.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	47800	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	10.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	2750	590	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	267	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.14	0.041	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	15.3	4.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	40.2	5.9	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	51.7	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50447
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-3-8-10		
Lab Sample ID:	JA31420-15	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	80.1
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.30	0.30	mg/kg	1	10/31/09 10:58	NR	SW846 9012 M/LACHAT
Solids, Percent	80.1		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56609.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.36	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.27	ug/kg	
75-25-2	Bromoform	ND	5.2	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	0.32	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.35	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.2	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.47	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.2	0.25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.39	ug/kg	
591-78-6	2-Hexanone	ND	5.2	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	0.85	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.23	ug/kg	
100-42-5	Styrene	ND	5.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.15	ug/kg	
108-88-3	Toluene	1.0	1.0	0.30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.2	0.55	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		67-127%
17060-07-0	1,2-Dichloroethane-D4	103%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51918.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
218-01-9	Chrysene	ND	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	ND	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	34	16	ug/kg	
129-00-0	Pyrene	ND	34	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-109%
4165-62-2	Phenol-d5	57%		28-108%
118-79-6	2,4,6-Tribromophenol	79%		28-125%
4165-60-0	Nitrobenzene-d5	81%		28-113%
321-60-8	2-Fluorobiphenyl	83%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	1100	ug/kg	J
	system artifact	3.06	150	ug/kg	J
	system artifact	3.12	460	ug/kg	J
	system artifact	3.18	560	ug/kg	J
	system artifact	3.25	280	ug/kg	J
	system artifact	3.31	570	ug/kg	J
	system artifact	4.20	540	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42524.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.64	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.44	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.69	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.44	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.48	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.56	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.48	ug/kg	
72-54-8	4,4'-DDD	ND	1.4	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.60	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.67	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.49	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.64	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.55	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		28-138%
877-09-8	Tetrachloro-m-xylene	55%		28-138%
2051-24-3	Decachlorobiphenyl	74%		22-156%
2051-24-3	Decachlorobiphenyl	68%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	82.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84653.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		33-141%
877-09-8	Tetrachloro-m-xylene	86%		33-141%
2051-24-3	Decachlorobiphenyl	97%		32-154%
2051-24-3	Decachlorobiphenyl	101%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.7
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2550	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	< 24	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.60	0.60	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.60	0.60	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 600	600	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	7.6	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 6.0	6.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	6.8	3.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	11700	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	4.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	984	600	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	49.8	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.036	0.036	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	5.9	4.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	10.8	6.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	17.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-0-2		
Lab Sample ID:	JA31420-16	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.7
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	10/31/09 11:00	NR	SW846 9012 M/LACHAT
Solids, Percent	82.7		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56610.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	1.2	5.4	0.33	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.2	ug/kg	
67-66-3	Chloroform	ND	5.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.49	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.4	0.26	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
591-78-6	2-Hexanone	ND	5.4	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.88	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.4	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51926.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2 [a]	Z51939.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	36	10	ug/kg	
208-96-8	Acenaphthylene	ND	36	12	ug/kg	
120-12-7	Anthracene	ND	36	13	ug/kg	
56-55-3	Benzo(a)anthracene	16.7	36	12	ug/kg	J
50-32-8	Benzo(a)pyrene	11.7	36	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	72	17	ug/kg	
218-01-9	Chrysene	14.2	36	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	72	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	ND	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	25.3	36	16	ug/kg	J
86-73-7	Fluorene	ND	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	12	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	36	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	ND	36	16	ug/kg	
129-00-0	Pyrene	29.3	36	14	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%	63%	30-109%
4165-62-2	Phenol-d5	56%	60%	28-108%
118-79-6	2,4,6-Tribromophenol	70%	70%	28-125%
4165-60-0	Nitrobenzene-d5	76%	75%	28-113%
321-60-8	2-Fluorobiphenyl	76%	75%	38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	68%	65%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	720	ug/kg	J
	system artifact	3.27	440	ug/kg	J
	system artifact	3.31	150	ug/kg	J
	system artifact	4.24	490	ug/kg	J
	alkane	4.64	600	ug/kg	J
	Total TIC, Semi-Volatile		600	ug/kg	J

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42559.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.65	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.45	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.71	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.40	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.45	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.49	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.57	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.49	ug/kg	
72-54-8	4,4'-DDD	3.9	1.5	0.62	ug/kg	
72-55-9	4,4'-DDE	2.1	1.5	0.51	ug/kg	
50-29-3	4,4'-DDT	ND	1.5	0.61	ug/kg	
72-20-8	Endrin	ND	1.5	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.56	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.68	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.50	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.56	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.66	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.56	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	48%		28-138%
877-09-8	Tetrachloro-m-xylene	53%		28-138%
2051-24-3	Decachlorobiphenyl	75%		22-156%
2051-24-3	Decachlorobiphenyl	72%		22-156%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	79.2
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84665.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	13	ug/kg	
11104-28-2	Aroclor 1221	ND	37	24	ug/kg	
11141-16-5	Aroclor 1232	ND	37	12	ug/kg	
53469-21-9	Aroclor 1242	ND	37	13	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.3	ug/kg	
11097-69-1	Aroclor 1254	ND	37	9.2	ug/kg	
11096-82-5	Aroclor 1260	ND	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		33-141%
877-09-8	Tetrachloro-m-xylene	108%		33-141%
2051-24-3	Decachlorobiphenyl	103%		32-154%
2051-24-3	Decachlorobiphenyl	106%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	79.2
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5130	21	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	4.8	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	34.7	21	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.53	0.53	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	0.58	0.53	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 530	530	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	15.2	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	7.9	5.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	27.0	2.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	17500	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	10.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	2340	530	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	98.7	1.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.047	0.040	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	16.5	4.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	18.1	5.3	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	47.3	2.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-2-4		
Lab Sample ID:	JA31420-17	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	79.2
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	10/31/09 11:01	NR	SW846 9012 M/LACHAT
Solids, Percent	79.2		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56611.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	2.1	5.7	0.35	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.3	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.7	0.27	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
591-78-6	2-Hexanone	ND	5.7	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.17	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		67-127%
17060-07-0	1,2-Dichloroethane-D4	110%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51923.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2 [a]	Z51937.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	58	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	ND	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	35	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	ND	35	16	ug/kg	
129-00-0	Pyrene	ND	35	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%	56%	30-109%
4165-62-2	Phenol-d5	51%	55%	28-108%
118-79-6	2,4,6-Tribromophenol	64%	61%	28-125%
4165-60-0	Nitrobenzene-d5	69%	67%	28-113%
321-60-8	2-Fluorobiphenyl	70%	68%	38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	62%	58%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	690	ug/kg	J
	system artifact	3.12	220	ug/kg	J
	system artifact	3.24	470	ug/kg	J
	system artifact	3.31	280	ug/kg	J
	system artifact	4.22	400	ug/kg	J
	alkane	4.64	420	ug/kg	J
	Total TIC, Semi-Volatile		420	ug/kg	J

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42560.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.4	0.63	ug/kg	
319-84-6	alpha-BHC	ND	1.4	0.43	ug/kg	
319-85-7	beta-BHC	ND	1.4	0.68	ug/kg	
319-86-8	delta-BHC	ND	1.4	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.4	0.43	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.4	0.47	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.4	0.55	ug/kg	
60-57-1	Dieldrin	ND	1.4	0.47	ug/kg	
72-54-8	4,4'-DDD	2.4	1.4	0.60	ug/kg	
72-55-9	4,4'-DDE	ND	1.4	0.49	ug/kg	
50-29-3	4,4'-DDT	ND	1.4	0.59	ug/kg	
72-20-8	Endrin	ND	1.4	0.49	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.4	0.54	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.4	0.66	ug/kg	
959-98-8	Endosulfan-I	ND	1.4	0.48	ug/kg	
33213-65-9	Endosulfan-II	ND	1.4	0.54	ug/kg	
76-44-8	Heptachlor	ND	1.4	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.4	0.54	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.63	ug/kg	
53494-70-5	Endrin ketone	ND	1.4	0.50	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		28-138%
877-09-8	Tetrachloro-m-xylene	57%		28-138%
2051-24-3	Decachlorobiphenyl	80%		22-156%
2051-24-3	Decachlorobiphenyl	73%		22-156%

ND = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	82.8
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84666.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	12	ug/kg	
11104-28-2	Aroclor 1221	ND	35	23	ug/kg	
11141-16-5	Aroclor 1232	ND	35	11	ug/kg	
53469-21-9	Aroclor 1242	ND	35	13	ug/kg	
12672-29-6	Aroclor 1248	ND	35	6.9	ug/kg	
11097-69-1	Aroclor 1254	ND	35	8.8	ug/kg	
11096-82-5	Aroclor 1260	ND	35	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		33-141%
877-09-8	Tetrachloro-m-xylene	94%		33-141%
2051-24-3	Decachlorobiphenyl	88%		32-154%
2051-24-3	Decachlorobiphenyl	90%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.8
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3260	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	2.6	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	< 24	24	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.60	0.60	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.60	0.60	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 600	600	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.3	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 6.0	6.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	10.5	3.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	11100	12	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	4.2	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1170	600	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	47.0	1.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.039	0.039	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	10.6	4.8	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	11.7	6.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	30.0	2.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50447
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-4-6		
Lab Sample ID:	JA31420-18	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	82.8
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	11/05/09 11:32	JA	SW846 9012 M/LACHAT
Solids, Percent	82.8		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V96706.D	1	11/10/09	JLI	10/28/09 09:00	n/a	VV4010
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	104	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	17.7	12	2.4	ug/kg	
75-15-0	Carbon disulfide	1.0	6.0	0.36	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.0	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.4	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.0	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
591-78-6	2-Hexanone	ND	6.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	1.9	1.2	0.35	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
1330-20-7	Xylene (total)	1.0	2.4	0.56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	78%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	80%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.24	8.4	ug/kg	J
	unknown	5.03	7.5	ug/kg	J
	cycloalkane/alkene	15.95	7.5	ug/kg	J
	Naphthalene, decahydro-methyl	18.02	6.3	ug/kg	J
	unknown	19.37	9	ug/kg	J
	Total TIC, Volatile		38.7	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51933.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2 [a]	Z51943.D	1	11/10/09	VN	11/03/09	OP40729	EZ1905

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	62	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	760	47	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	760	47	ug/kg	
95-48-7	2-Methylphenol	ND	76	44	ug/kg	
	3&4-Methylphenol	ND	76	49	ug/kg	
88-75-5	2-Nitrophenol	ND	190	41	ug/kg	
100-02-7	4-Nitrophenol	ND	380	65	ug/kg	
87-86-5	Pentachlorophenol	ND	380	65	ug/kg	
108-95-2	Phenol	ND	76	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	36	ug/kg	
83-32-9	Acenaphthene	ND	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
120-12-7	Anthracene	ND	38	13	ug/kg	
56-55-3	Benzo(a)anthracene	22.1	38	12	ug/kg	J
50-32-8	Benzo(a)pyrene	15.8	38	12	ug/kg	J
205-99-2	Benzo(b)fluoranthene	18.3	38	13	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	ND	76	18	ug/kg	
218-01-9	Chrysene	25.3	38	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	76	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	76	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	12	ug/kg	

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RL = Reporting Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	76	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	76	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	76	8.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	76	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	76	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	13	ug/kg	
132-64-9	Dibenzofuran	ND	76	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	8.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	19	ug/kg	
84-66-2	Diethyl phthalate	ND	76	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	34	ug/kg	
206-44-0	Fluoranthene	37.3	38	17	ug/kg	J
86-73-7	Fluorene	ND	38	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	760	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	13	ug/kg	
78-59-1	Isophorone	ND	76	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	76	21	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	ND	38	10	ug/kg	
98-95-3	Nitrobenzene	ND	76	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	9.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	18.2	38	17	ug/kg	J
129-00-0	Pyrene	47.0	38	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	76	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%	73%	30-109%
4165-62-2	Phenol-d5	67%	75%	28-108%
118-79-6	2,4,6-Tribromophenol	90%	87%	28-125%
4165-60-0	Nitrobenzene-d5	83%	80%	28-113%
321-60-8	2-Fluorobiphenyl	77%	74%	38-107%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	74%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	770	ug/kg	J
	system artifact	3.22	260	ug/kg	J
	system artifact	4.26	700	ug/kg	J
	unknown acid	4.47	200	ug/kg	J
	alkane	4.65	1400	ug/kg	J
	unknown	9.75	2100	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	12.65	770	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.37	22000	ug/kg	JN
	unknown	15.15	240	ug/kg	J
	alkane	16.05	380	ug/kg	J
	alkane	16.78	290	ug/kg	J
	unknown	17.82	180	ug/kg	J
	unknown	18.41	390	ug/kg	J
	unknown	18.47	160	ug/kg	J
	unknown	18.66	390	ug/kg	J
	unknown	18.84	420	ug/kg	J
	unknown	19.19	530	ug/kg	J
	unknown	19.25	1800	ug/kg	J
	unknown	19.38	220	ug/kg	J
	unknown	19.45	1900	ug/kg	J
	unknown	19.55	510	ug/kg	J
	unknown	19.69	720	ug/kg	J
	unknown	19.87	690	ug/kg	J
	unknown	20.16	200	ug/kg	J
	Total TIC, Semi-Volatile		35490	ug/kg	J

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42561.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.6	0.70	ug/kg	
319-84-6	alpha-BHC	ND	1.6	0.48	ug/kg	
319-85-7	beta-BHC	ND	1.6	0.76	ug/kg	
319-86-8	delta-BHC	ND	1.6	0.43	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.6	0.48	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.6	0.53	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.6	0.61	ug/kg	
60-57-1	Dieldrin	ND	1.6	0.53	ug/kg	
72-54-8	4,4'-DDD	3.6	1.6	0.67	ug/kg	
72-55-9	4,4'-DDE	3.3	1.6	0.54	ug/kg	
50-29-3	4,4'-DDT	ND	1.6	0.66	ug/kg	
72-20-8	Endrin	ND	1.6	0.54	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.6	0.60	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.6	0.73	ug/kg	
959-98-8	Endosulfan-I	ND	1.6	0.53	ug/kg	
33213-65-9	Endosulfan-II	ND	1.6	0.60	ug/kg	
76-44-8	Heptachlor	ND	1.6	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.6	0.60	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.70	ug/kg	
53494-70-5	Endrin ketone	ND	1.6	0.56	ug/kg	
8001-35-2	Toxaphene	ND	20	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		28-138%
877-09-8	Tetrachloro-m-xylene	60%		28-138%
2051-24-3	Decachlorobiphenyl	78%		22-156%
2051-24-3	Decachlorobiphenyl	79%		22-156%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	74.7
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84667.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	39	14	ug/kg	
11104-28-2	Aroclor 1221	ND	39	26	ug/kg	
11141-16-5	Aroclor 1232	ND	39	13	ug/kg	
53469-21-9	Aroclor 1242	ND	39	14	ug/kg	
12672-29-6	Aroclor 1248	ND	39	7.8	ug/kg	
11097-69-1	Aroclor 1254	ND	39	9.9	ug/kg	
11096-82-5	Aroclor 1260	ND	39	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		33-141%
877-09-8	Tetrachloro-m-xylene	112%		33-141%
2051-24-3	Decachlorobiphenyl	109%		32-154%
2051-24-3	Decachlorobiphenyl	112%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	74.7
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9630	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	9.5	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	33.4	20	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.50	0.50	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	957	500	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	21.8	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	6.2	5.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	29.2	2.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	24700	10	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	19.9	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	3160	500	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	218	1.5	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.14	0.040	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	15.5	4.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	1770	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	26.5	5.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	54.3	2.0	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50447
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-6-8		
Lab Sample ID:	JA31420-19	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	74.7
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	11/05/09 11:35	JA	SW846 9012 M/LACHAT
Solids, Percent	74.7		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V96707.D	1	11/10/09	JLI	10/28/09 09:00	n/a	VV4010
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	93.9	17	3.7	ug/kg	
71-43-2	Benzene	ND	1.7	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	8.3	0.43	ug/kg	
75-25-2	Bromoform	ND	8.3	0.25	ug/kg	
74-83-9	Bromomethane	ND	8.3	0.67	ug/kg	
78-93-3	2-Butanone (MEK)	14.1	17	3.3	ug/kg	J
75-15-0	Carbon disulfide	1.9	8.3	0.51	ug/kg	J
56-23-5	Carbon tetrachloride	ND	8.3	0.92	ug/kg	
108-90-7	Chlorobenzene	ND	8.3	0.56	ug/kg	
75-00-3	Chloroethane	ND	8.3	1.9	ug/kg	
67-66-3	Chloroform	ND	8.3	0.53	ug/kg	
74-87-3	Chloromethane	ND	8.3	0.27	ug/kg	
124-48-1	Dibromochloromethane	ND	8.3	0.18	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.3	0.23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.7	0.57	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8.3	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8.3	0.40	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8.3	0.74	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	8.3	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.3	0.22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.3	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.3	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.7	0.62	ug/kg	
591-78-6	2-Hexanone	ND	8.3	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8.3	1.3	ug/kg	
75-09-2	Methylene chloride	ND	8.3	0.37	ug/kg	
100-42-5	Styrene	ND	8.3	0.18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.3	0.49	ug/kg	
127-18-4	Tetrachloroethene	ND	8.3	0.24	ug/kg	
108-88-3	Toluene	1.0	1.7	0.48	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	8.3	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.3	0.31	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	8.3	0.87	ug/kg	
75-01-4	Vinyl chloride	ND	8.3	0.30	ug/kg	
1330-20-7	Xylene (total)	ND	3.3	0.78	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	79%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	80%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.23	10	ug/kg	J
	Total TIC, Volatile		10	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z51919.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	830	50	ug/kg	
95-48-7	2-Methylphenol	ND	83	47	ug/kg	
	3&4-Methylphenol	ND	83	53	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	410	70	ug/kg	
87-86-5	Pentachlorophenol	ND	410	71	ug/kg	
108-95-2	Phenol	ND	83	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	ND	41	12	ug/kg	
208-96-8	Acenaphthylene	ND	41	13	ug/kg	
120-12-7	Anthracene	ND	41	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	41	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	41	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	41	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	83	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	ND	83	19	ug/kg	
218-01-9	Chrysene	ND	41	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	83	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	83	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	83	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	83	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	83	9.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	83	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	83	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	41	14	ug/kg	
132-64-9	Dibenzofuran	ND	83	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	9.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	20	ug/kg	
84-66-2	Diethyl phthalate	ND	83	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	83	37	ug/kg	
206-44-0	Fluoranthene	ND	41	18	ug/kg	
86-73-7	Fluorene	ND	41	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	830	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	41	14	ug/kg	
78-59-1	Isophorone	ND	83	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	83	23	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	ND	41	11	ug/kg	
98-95-3	Nitrobenzene	ND	83	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	ND	41	19	ug/kg	
129-00-0	Pyrene	ND	41	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	83	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-109%
4165-62-2	Phenol-d5	57%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	82%		28-113%
321-60-8	2-Fluorobiphenyl	83%		38-107%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	1200	ug/kg	J
	system artifact	3.06	210	ug/kg	J
	system artifact	3.12	640	ug/kg	J
	system artifact	3.18	620	ug/kg	J
	system artifact	3.25	380	ug/kg	J
	system artifact	3.31	740	ug/kg	J
	system artifact	4.03	170	ug/kg	J
	system artifact	4.19	830	ug/kg	J
	alkane	4.63	450	ug/kg	J
	unknown	5.26	560	ug/kg	J
	unknown	5.29	180	ug/kg	J
	unknown	18.41	370	ug/kg	J
	unknown	18.65	220	ug/kg	J
	unknown	19.25	210	ug/kg	J
	unknown	20.26	180	ug/kg	J
	Total TIC, Semi-Volatile		2170	ug/kg	J

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42562.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.7	0.76	ug/kg	
319-84-6	alpha-BHC	ND	1.7	0.52	ug/kg	
319-85-7	beta-BHC	ND	1.7	0.82	ug/kg	
319-86-8	delta-BHC	ND	1.7	0.46	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	0.52	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.7	0.57	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.7	0.66	ug/kg	
60-57-1	Dieldrin	ND	1.7	0.57	ug/kg	
72-54-8	4,4'-DDD	2.2	1.7	0.72	ug/kg	
72-55-9	4,4'-DDE	1.9	1.7	0.58	ug/kg	
50-29-3	4,4'-DDT	ND	1.7	0.71	ug/kg	
72-20-8	Endrin	ND	1.7	0.58	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.7	0.64	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.7	0.79	ug/kg	
959-98-8	Endosulfan-I	ND	1.7	0.58	ug/kg	
33213-65-9	Endosulfan-II	ND	1.7	0.64	ug/kg	
76-44-8	Heptachlor	ND	1.7	0.76	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	0.65	ug/kg	
72-43-5	Methoxychlor	ND	1.7	0.75	ug/kg	
53494-70-5	Endrin ketone	ND	1.7	0.60	ug/kg	
8001-35-2	Toxaphene	ND	21	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		28-138%
877-09-8	Tetrachloro-m-xylene	70%		28-138%
2051-24-3	Decachlorobiphenyl	81%		22-156%
2051-24-3	Decachlorobiphenyl	83%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	68.5
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84668.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	42	15	ug/kg	
11104-28-2	Aroclor 1221	ND	42	28	ug/kg	
11141-16-5	Aroclor 1232	ND	42	14	ug/kg	
53469-21-9	Aroclor 1242	ND	42	15	ug/kg	
12672-29-6	Aroclor 1248	ND	42	8.4	ug/kg	
11097-69-1	Aroclor 1254	ND	42	11	ug/kg	
11096-82-5	Aroclor 1260	ND	42	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		33-141%
877-09-8	Tetrachloro-m-xylene	91%		33-141%
2051-24-3	Decachlorobiphenyl	101%		32-154%
2051-24-3	Decachlorobiphenyl	102%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	68.5
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	12300	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	10.1	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	41.3	22	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	0.60	0.54	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.57	0.54	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	1230	540	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	27.4	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	7.7	5.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	32.0	2.7	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	27700	11	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	20.1	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	4230	540	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	233	1.6	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.13	0.044	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	18.9	4.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	2250	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	32.5	5.4	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	63.8	2.2	mg/kg	1	11/09/09	11/09/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50447
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-4-8-10		
Lab Sample ID:	JA31420-20	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	68.5
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.35	0.35	mg/kg	1	11/05/09 11:36	JA	SW846 9012 M/LACHAT
Solids, Percent	68.5		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56612.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.2	ug/kg	
67-66-3	Chloroform	ND	5.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.49	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.4	0.26	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
591-78-6	2-Hexanone	ND	5.4	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.88	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.4	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P46002.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	45	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	ND	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
120-12-7	Anthracene	ND	37	13	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	73	17	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	73	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	12	ug/kg	
132-64-9	Dibenzofuran	ND	73	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	ND	37	16	ug/kg	
86-73-7	Fluorene	ND	37	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	13	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	73	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	ND	37	17	ug/kg	
129-00-0	Pyrene	ND	37	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		30-109%
4165-62-2	Phenol-d5	39%		28-108%
118-79-6	2,4,6-Tribromophenol	78%		28-125%
4165-60-0	Nitrobenzene-d5	54%		28-113%
321-60-8	2-Fluorobiphenyl	64%		38-107%

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Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.86	280	ug/kg	J
	system artifact	2.64	1400	ug/kg	J
	system artifact/aldol-condensation	3.09	1000	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42563.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.5	0.68	ug/kg	
319-84-6	alpha-BHC	ND	1.5	0.47	ug/kg	
319-85-7	beta-BHC	ND	1.5	0.73	ug/kg	
319-86-8	delta-BHC	ND	1.5	0.41	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.5	0.47	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.5	0.51	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.5	0.59	ug/kg	
60-57-1	Dieldrin	ND	1.5	0.51	ug/kg	
72-54-8	4,4'-DDD	2.7	1.5	0.65	ug/kg	
72-55-9	4,4'-DDE	ND	1.5	0.52	ug/kg	
50-29-3	4,4'-DDT	2.3	1.5	0.63	ug/kg	
72-20-8	Endrin	ND	1.5	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.5	0.58	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.5	0.71	ug/kg	
959-98-8	Endosulfan-I	ND	1.5	0.52	ug/kg	
33213-65-9	Endosulfan-II	ND	1.5	0.58	ug/kg	
76-44-8	Heptachlor	ND	1.5	0.68	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.5	0.58	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.67	ug/kg	
53494-70-5	Endrin ketone	ND	1.5	0.54	ug/kg	
8001-35-2	Toxaphene	ND	19	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	46%		28-138%
877-09-8	Tetrachloro-m-xylene	49%		28-138%
2051-24-3	Decachlorobiphenyl	75%		22-156%
2051-24-3	Decachlorobiphenyl	76%		22-156%

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	77.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84669.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	13	ug/kg	
11104-28-2	Aroclor 1221	ND	38	25	ug/kg	
11141-16-5	Aroclor 1232	ND	38	12	ug/kg	
53469-21-9	Aroclor 1242	ND	38	13	ug/kg	
12672-29-6	Aroclor 1248	ND	38	7.4	ug/kg	
11097-69-1	Aroclor 1254	ND	38	9.5	ug/kg	
11096-82-5	Aroclor 1260	ND	38	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		33-141%
877-09-8	Tetrachloro-m-xylene	109%		33-141%
2051-24-3	Decachlorobiphenyl	114%		32-154%
2051-24-3	Decachlorobiphenyl	117%		32-154%

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RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	77.9
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8190	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	6.4	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	36.7	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.50	0.50	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	< 500	500	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	21.6	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.0	5.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	23.8	2.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	22100	10	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	18.7	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	2630	500	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	106	1.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.13	0.037	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	11.7	4.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	1700	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	24.9	5.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	35.8	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50448
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-0-2		
Lab Sample ID:	JA31420-21	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	77.9
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.26	0.26	mg/kg	1	11/05/09 11:37	JA	SW846 9012 M/LACHAT
Solids, Percent	77.9		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56613.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	3.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	28	6.3	ug/kg	
71-43-2	Benzene	ND	2.8	0.97	ug/kg	
75-27-4	Bromodichloromethane	ND	14	0.73	ug/kg	
75-25-2	Bromoform	ND	14	0.43	ug/kg	
74-83-9	Bromomethane	ND	14	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	28	5.6	ug/kg	
75-15-0	Carbon disulfide	2.0	14	0.87	ug/kg	J
56-23-5	Carbon tetrachloride	ND	14	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	14	0.96	ug/kg	
75-00-3	Chloroethane	ND	14	3.2	ug/kg	
67-66-3	Chloroform	ND	14	0.90	ug/kg	
74-87-3	Chloromethane	ND	14	0.47	ug/kg	
124-48-1	Dibromochloromethane	ND	14	0.31	ug/kg	
75-34-3	1,1-Dichloroethane	ND	14	0.39	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.8	0.98	ug/kg	
75-35-4	1,1-Dichloroethene	ND	14	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	14	0.68	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	14	1.3	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	14	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	14	0.37	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	14	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	14	0.27	ug/kg	
100-41-4	Ethylbenzene	ND	2.8	1.1	ug/kg	
591-78-6	2-Hexanone	ND	14	2.7	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	14	2.3	ug/kg	
75-09-2	Methylene chloride	ND	14	0.63	ug/kg	
100-42-5	Styrene	ND	14	0.30	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	14	0.83	ug/kg	
127-18-4	Tetrachloroethene	ND	14	0.41	ug/kg	
108-88-3	Toluene	ND	2.8	0.83	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	14	0.36	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	14	0.53	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	14	1.5	ug/kg	
75-01-4	Vinyl chloride	ND	14	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	5.7	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		67-127%
17060-07-0	1,2-Dichloroethane-D4	120%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P46014.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	310	62	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	310	62	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	310	99	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	310	100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1200	75	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1200	75	ug/kg	
95-48-7	2-Methylphenol	ND	120	70	ug/kg	
	3&4-Methylphenol	ND	120	78	ug/kg	
88-75-5	2-Nitrophenol	ND	310	65	ug/kg	
100-02-7	4-Nitrophenol	ND	620	100	ug/kg	
87-86-5	Pentachlorophenol	ND	620	110	ug/kg	
108-95-2	Phenol	ND	120	65	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	310	72	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	310	58	ug/kg	
83-32-9	Acenaphthene	ND	62	18	ug/kg	
208-96-8	Acenaphthylene	ND	62	20	ug/kg	
120-12-7	Anthracene	ND	62	22	ug/kg	
56-55-3	Benzo(a)anthracene	ND	62	20	ug/kg	
50-32-8	Benzo(a)pyrene	ND	62	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	62	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	62	23	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	62	23	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	120	22	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	120	36	ug/kg	
91-58-7	2-Chloronaphthalene	ND	120	19	ug/kg	
106-47-8	4-Chloroaniline	ND	310	20	ug/kg	
86-74-8	Carbazole	ND	120	29	ug/kg	
218-01-9	Chrysene	ND	62	21	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	120	25	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	120	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	120	18	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	120	19	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	120	18	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	120	17	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	120	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	120	27	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	120	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	310	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	62	21	ug/kg	
132-64-9	Dibenzofuran	ND	120	18	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	120	14	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	120	30	ug/kg	
84-66-2	Diethyl phthalate	ND	120	21	ug/kg	
131-11-3	Dimethyl phthalate	ND	120	22	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	120	54	ug/kg	
206-44-0	Fluoranthene	ND	62	27	ug/kg	
86-73-7	Fluorene	ND	62	20	ug/kg	
118-74-1	Hexachlorobenzene	ND	120	20	ug/kg	
87-68-3	Hexachlorobutadiene	ND	62	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1200	63	ug/kg	
67-72-1	Hexachloroethane	ND	310	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	62	21	ug/kg	
78-59-1	Isophorone	ND	120	17	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	34	ug/kg	
88-74-4	2-Nitroaniline	ND	310	27	ug/kg	
99-09-2	3-Nitroaniline	ND	310	25	ug/kg	
100-01-6	4-Nitroaniline	ND	310	24	ug/kg	
91-20-3	Naphthalene	ND	62	17	ug/kg	
98-95-3	Nitrobenzene	ND	120	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	120	15	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	310	37	ug/kg	
85-01-8	Phenanthrene	ND	62	28	ug/kg	
129-00-0	Pyrene	ND	62	24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	120	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		30-109%
4165-62-2	Phenol-d5	35%		28-108%
118-79-6	2,4,6-Tribromophenol	75%		28-125%
4165-60-0	Nitrobenzene-d5	49%		28-113%
321-60-8	2-Fluorobiphenyl	61%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	67%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.64	2400	ug/kg	J
	system artifact/aldol-condensation	3.09	1700	ug/kg	J
	system artifact	4.46	380	ug/kg	J
	system artifact	5.02	280	ug/kg	J
	unknown	19.37	300	ug/kg	J
	unknown	20.79	380	ug/kg	J
	unknown	22.24	360	ug/kg	J
	unknown	22.45	400	ug/kg	J
	Total TIC, Semi-Volatile		1440	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX91006.D	1	11/12/09	JSE	11/10/09	OP40853	GXX3635
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	2.5	1.1	ug/kg	
319-84-6	alpha-BHC	ND	2.5	0.78	ug/kg	
319-85-7	beta-BHC	ND	2.5	1.2	ug/kg	
319-86-8	delta-BHC	ND	2.5	0.69	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	2.5	0.78	ug/kg	
5103-71-9	alpha-Chlordane	ND	2.5	0.85	ug/kg	
5103-74-2	gamma-Chlordane	ND	2.5	0.99	ug/kg	
60-57-1	Dieldrin	ND	2.5	0.85	ug/kg	
72-54-8	4,4'-DDD	2.7	2.5	1.1	ug/kg	
72-55-9	4,4'-DDE	ND	2.5	0.87	ug/kg	
50-29-3	4,4'-DDT	ND	2.5	1.1	ug/kg	
72-20-8	Endrin	ND	2.5	0.88	ug/kg	
1031-07-8	Endosulfan sulfate	ND	2.5	0.96	ug/kg	
7421-93-4	Endrin aldehyde	ND	2.5	1.2	ug/kg	
959-98-8	Endosulfan-I	ND	2.5	0.86	ug/kg	
33213-65-9	Endosulfan-II	ND	2.5	0.96	ug/kg	
76-44-8	Heptachlor	ND	2.5	1.1	ug/kg	
1024-57-3	Heptachlor epoxide	ND	2.5	0.97	ug/kg	
72-43-5	Methoxychlor	ND	2.5	1.1	ug/kg	
53494-70-5	Endrin ketone	ND	2.5	0.90	ug/kg	
8001-35-2	Toxaphene	ND	32	29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		28-138%
877-09-8	Tetrachloro-m-xylene	83%		28-138%
2051-24-3	Decachlorobiphenyl	70%		22-156%
2051-24-3	Decachlorobiphenyl	83%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	46.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84676.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	63	23	ug/kg	
11104-28-2	Aroclor 1221	ND	63	42	ug/kg	
11141-16-5	Aroclor 1232	ND	63	20	ug/kg	
53469-21-9	Aroclor 1242	ND	63	23	ug/kg	
12672-29-6	Aroclor 1248	ND	63	13	ug/kg	
11097-69-1	Aroclor 1254	ND	63	16	ug/kg	
11096-82-5	Aroclor 1260	ND	63	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	64%		33-141%
877-09-8	Tetrachloro-m-xylene	69%		33-141%
2051-24-3	Decachlorobiphenyl	82%		32-154%
2051-24-3	Decachlorobiphenyl	83%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	46.3
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	13900	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	13.6	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	45.7	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	0.62	0.51	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.78	0.51	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	1560	510	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	36.7	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	10.5	5.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	78.9	2.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	21600	10	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	28.8	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	3000	510	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	116	1.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.34	0.068	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	28.1	4.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	2490	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	43.2	5.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	85.2	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50448
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-2-4		
Lab Sample ID:	JA31420-22	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	46.3
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.44	0.44	mg/kg	1	11/05/09 11:38	JA	SW846 9012 M/LACHAT
Solids, Percent	46.3		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56614.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	0.33	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.2	ug/kg	
67-66-3	Chloroform	ND	5.4	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.48	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.4	0.26	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
591-78-6	2-Hexanone	ND	5.4	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.88	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.4	0.57	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P46003.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	40	ug/kg	
95-48-7	2-Methylphenol	ND	65	37	ug/kg	
	3&4-Methylphenol	ND	65	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	330	55	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	65	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.4	ug/kg	
208-96-8	Acenaphthylene	ND	33	10	ug/kg	
120-12-7	Anthracene	ND	33	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	9.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	65	15	ug/kg	
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	9.8	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	9.7	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	9.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	65	9.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	65	8.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	65	7.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	65	9.7	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	16	ug/kg	
84-66-2	Diethyl phthalate	ND	65	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	29	ug/kg	
206-44-0	Fluoranthene	ND	33	14	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	11	ug/kg	
78-59-1	Isophorone	ND	65	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	33	8.9	ug/kg	
98-95-3	Nitrobenzene	ND	65	9.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	7.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	65	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		30-109%
4165-62-2	Phenol-d5	36%		28-108%
118-79-6	2,4,6-Tribromophenol	78%		28-125%
4165-60-0	Nitrobenzene-d5	53%		28-113%
321-60-8	2-Fluorobiphenyl	60%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	73%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.86	190	ug/kg	J
	system artifact	2.64	1700	ug/kg	J
	system artifact/aldol-condensation	3.10	1100	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX91007.D	1	11/12/09	JSE	11/10/09	OP40853	GXX3635
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.60	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.41	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.65	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.41	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.45	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.52	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.45	ug/kg	
72-54-8	4,4'-DDD	1.5	1.3	0.57	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.46	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.56	ug/kg	
72-20-8	Endrin	ND	1.3	0.46	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.62	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.51	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.60	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.59	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.47	ug/kg	
8001-35-2	Toxaphene	ND	17	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		28-138%
877-09-8	Tetrachloro-m-xylene	57%		28-138%
2051-24-3	Decachlorobiphenyl	44%		22-156%
2051-24-3	Decachlorobiphenyl	69%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	87.4
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84677.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.6	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.3	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	36%		33-141%
877-09-8	Tetrachloro-m-xylene	39%		33-141%
2051-24-3	Decachlorobiphenyl	41%		32-154%
2051-24-3	Decachlorobiphenyl	43%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.4
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3510	23	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.3	2.3	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	4.4	2.3	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	< 23	23	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.58	0.58	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 580	580	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	10.3	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 5.8	5.8	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	10.0	2.9	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	15100	12	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	10.3	2.3	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1370	580	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	61.8	1.7	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.037	0.037	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	6.6	4.6	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.3	2.3	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.9	5.8	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	19.8	2.3	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50448
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	4LF-5-4-6		
Lab Sample ID:	JA31420-23	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	87.4
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	11/05/09 11:39	JA	SW846 9012 M/LACHAT
Solids, Percent	87.4		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V96708.D	1	11/10/09	JLI	10/28/09 09:00	n/a	VV4010
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	28.3	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	15.9	6.1	0.37	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.4	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	4.3	6.1	0.27	ug/kg	J
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	2.3	1.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.22	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	75%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P46004.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	65	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	810	49	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	810	49	ug/kg	
95-48-7	2-Methylphenol	ND	81	46	ug/kg	
	3&4-Methylphenol	ND	81	51	ug/kg	
88-75-5	2-Nitrophenol	ND	200	43	ug/kg	
100-02-7	4-Nitrophenol	ND	400	68	ug/kg	
87-86-5	Pentachlorophenol	ND	400	69	ug/kg	
108-95-2	Phenol	ND	81	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	38	ug/kg	
83-32-9	Acenaphthene	ND	40	12	ug/kg	
208-96-8	Acenaphthylene	ND	40	13	ug/kg	
120-12-7	Anthracene	ND	40	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	40	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	81	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	81	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	ND	81	19	ug/kg	
218-01-9	Chrysene	ND	40	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	81	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	81	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	81	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	81	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	81	9.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	81	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	81	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	14	ug/kg	
132-64-9	Dibenzofuran	ND	81	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	81	8.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	81	20	ug/kg	
84-66-2	Diethyl phthalate	ND	81	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	81	36	ug/kg	
206-44-0	Fluoranthene	ND	40	18	ug/kg	
86-73-7	Fluorene	ND	40	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	81	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	810	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	14	ug/kg	
78-59-1	Isophorone	ND	81	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	81	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	18	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	16	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	81	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	9.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	ND	40	18	ug/kg	
129-00-0	Pyrene	ND	40	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	81	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		30-109%
4165-62-2	Phenol-d5	41%		28-108%
118-79-6	2,4,6-Tribromophenol	76%		28-125%
4165-60-0	Nitrobenzene-d5	60%		28-113%
321-60-8	2-Fluorobiphenyl	66%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	66%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.64	1700	ug/kg	J
	system artifact/aldol-condensation	3.10	1200	ug/kg	J
	unknown	11.68	200	ug/kg	J
	unknown	19.05	330	ug/kg	J
	unknown	22.24	320	ug/kg	J
	unknown	22.42	320	ug/kg	J
	Total TIC, Semi-Volatile		1170	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX91008.D	1	11/12/09	JSE	11/10/09	OP40853	GXX3635
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.6	0.73	ug/kg	
319-84-6	alpha-BHC	ND	1.6	0.50	ug/kg	
319-85-7	beta-BHC	ND	1.6	0.79	ug/kg	
319-86-8	delta-BHC	ND	1.6	0.45	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.6	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.6	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.6	0.64	ug/kg	
60-57-1	Dieldrin	ND	1.6	0.55	ug/kg	
72-54-8	4,4'-DDD	5.3	1.6	0.70	ug/kg	
72-55-9	4,4'-DDE	ND	1.6	0.56	ug/kg	
50-29-3	4,4'-DDT	ND	1.6	0.68	ug/kg	
72-20-8	Endrin	ND	1.6	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.6	0.62	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.6	0.76	ug/kg	
959-98-8	Endosulfan-I	ND	1.6	0.56	ug/kg	
33213-65-9	Endosulfan-II	ND	1.6	0.62	ug/kg	
76-44-8	Heptachlor	ND	1.6	0.73	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.6	0.63	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.73	ug/kg	
53494-70-5	Endrin ketone	ND	1.6	0.58	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		28-138%
877-09-8	Tetrachloro-m-xylene	79%		28-138%
2051-24-3	Decachlorobiphenyl	64%		22-156%
2051-24-3	Decachlorobiphenyl	96%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	70.9
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84678.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	15	ug/kg	
11104-28-2	Aroclor 1221	ND	41	27	ug/kg	
11141-16-5	Aroclor 1232	ND	41	13	ug/kg	
53469-21-9	Aroclor 1242	ND	41	15	ug/kg	
12672-29-6	Aroclor 1248	ND	41	8.2	ug/kg	
11097-69-1	Aroclor 1254	ND	41	10	ug/kg	
11096-82-5	Aroclor 1260	ND	41	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		33-141%
877-09-8	Tetrachloro-m-xylene	94%		33-141%
2051-24-3	Decachlorobiphenyl	94%		32-154%
2051-24-3	Decachlorobiphenyl	97%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	70.9
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9550	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Antimony	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Arsenic	5.6	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Barium	37.6	20	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Beryllium	< 0.50	0.50	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.50	0.50	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Calcium	944	500	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Chromium	23.0	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Cobalt	< 5.0	5.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Copper	30.1	2.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Iron	14400	10	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Lead	18.2	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Magnesium	2040	500	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Manganese	77.8	1.5	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.32	0.042	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [5]
Nickel	10.7	4.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Potassium	1800	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Selenium	< 2.0	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Silver	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Sodium	< 1000	1000	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Thallium	< 1.0	1.0	mg/kg	1	11/09/09	11/10/09	GT	SW846 6010B [3]	SW846 3050B [4]
Vanadium	28.1	5.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]
Zinc	30.3	2.0	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Instrument QC Batch: MA23440
(4) Prep QC Batch: MP50448
(5) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-6-8		
Lab Sample ID:	JA31420-24	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	70.9
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	11/05/09 11:40	JA	SW846 9012 M/LACHAT
Solids, Percent	70.9		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56621.D	1	11/09/09	DPP	10/28/09 09:00	n/a	V3C2494
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	0.29	ug/kg	
75-25-2	Bromoform	ND	5.6	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.45	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	0.34	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.6	1.3	ug/kg	
67-66-3	Chloroform	ND	5.6	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.6	0.18	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	0.12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.6	0.74	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.6	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.6	0.50	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.6	0.27	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	0.14	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.41	ug/kg	
591-78-6	2-Hexanone	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	0.90	ug/kg	
75-09-2	Methylene chloride	ND	5.6	0.25	ug/kg	
100-42-5	Styrene	ND	5.6	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.6	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	0.21	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	5.6	0.58	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	0.20	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	113%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P46005.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	39	ug/kg	
95-48-7	2-Methylphenol	ND	65	37	ug/kg	
	3&4-Methylphenol	ND	65	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	55	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	65	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.4	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	65	15	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	9.6	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	9.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	65	9.3	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	65	8.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	65	7.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	65	9.6	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	16	ug/kg	
84-66-2	Diethyl phthalate	ND	65	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	28	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	9.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	65	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	65	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	7.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	65	8.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		30-109%
4165-62-2	Phenol-d5	46%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	69%		28-113%
321-60-8	2-Fluorobiphenyl	74%		38-107%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%		31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.86	380	ug/kg	J
	system artifact	2.64	1500	ug/kg	J
	system artifact/aldol-condensation	3.10	980	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3545	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G42566.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.3	0.59	ug/kg	
319-84-6	alpha-BHC	ND	1.3	0.40	ug/kg	
319-85-7	beta-BHC	ND	1.3	0.63	ug/kg	
319-86-8	delta-BHC	ND	1.3	0.36	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.3	0.40	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.3	0.44	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.3	0.51	ug/kg	
60-57-1	Dieldrin	ND	1.3	0.44	ug/kg	
72-54-8	4,4'-DDD	ND	1.3	0.56	ug/kg	
72-55-9	4,4'-DDE	ND	1.3	0.45	ug/kg	
50-29-3	4,4'-DDT	ND	1.3	0.55	ug/kg	
72-20-8	Endrin	ND	1.3	0.45	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.3	0.50	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.3	0.61	ug/kg	
959-98-8	Endosulfan-I	ND	1.3	0.45	ug/kg	
33213-65-9	Endosulfan-II	ND	1.3	0.50	ug/kg	
76-44-8	Heptachlor	ND	1.3	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.3	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	1.3	0.46	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	50%		28-138%
877-09-8	Tetrachloro-m-xylene	53%		28-138%
2051-24-3	Decachlorobiphenyl	70%		22-156%
2051-24-3	Decachlorobiphenyl	66%		22-156%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3545	**Percent Solids:**	88.3
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84679.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	12	ug/kg	
11104-28-2	Aroclor 1221	ND	33	22	ug/kg	
11141-16-5	Aroclor 1232	ND	33	11	ug/kg	
53469-21-9	Aroclor 1242	ND	33	12	ug/kg	
12672-29-6	Aroclor 1248	ND	33	6.6	ug/kg	
11097-69-1	Aroclor 1254	ND	33	8.3	ug/kg	
11096-82-5	Aroclor 1260	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		33-141%
877-09-8	Tetrachloro-m-xylene	99%		33-141%
2051-24-3	Decachlorobiphenyl	106%		32-154%
2051-24-3	Decachlorobiphenyl	109%		32-154%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	88.3
Project:	Hess-Port Reading, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3130	22	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Arsenic	3.5	2.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Barium	< 22	22	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Beryllium	< 0.56	0.56	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Calcium	< 560	560	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Chromium	8.4	1.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Cobalt	< 5.6	5.6	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Copper	10.6	2.8	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Iron	16000	11	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Lead	2.5	2.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Magnesium	1180	560	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Manganese	69.6	1.7	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	11/09/09	11/09/09	RP	SW846 7471A [1]	SW846 7471A [4]
Nickel	6.5	4.4	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Potassium	< 1100	1100	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Vanadium	14.3	5.6	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]
Zinc	20.0	2.2	mg/kg	1	11/09/09	11/10/09	ND	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA23430
(2) Instrument QC Batch: MA23433
(3) Prep QC Batch: MP50448
(4) Prep QC Batch: MP50457

RL = Reporting Limit

Report of Analysis

Client Sample ID:	NLF-5-8-10		
Lab Sample ID:	JA31420-25	**Date Sampled:**	10/27/09
Matrix:	SO - Soil	**Date Received:**	10/27/09
		Percent Solids:	88.3
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.23	0.23	mg/kg	1	11/05/09 11:41	JA	SW846 9012 M/LACHAT
Solids, Percent	88.3		%	1	11/05/09	DD	SM18 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U124534.D	1	11/06/09	JTP	n/a	n/a	VU4950
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	87%		64-135%
2037-26-5	Toluene-D8	91%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E22916.D	1	11/11/09	OYA	10/30/09	OP40693	E3E1040
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	1.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	0.82	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.57	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	ug/l	
	3&4-Methylphenol	ND	2.2	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.4	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.92	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.89	ug/l	
108-95-2	Phenol	ND	2.2	0.64	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.5	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.41	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.30	ug/l	
120-12-7	Anthracene	ND	1.1	0.18	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.14	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.27	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.13	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.28	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	0.46	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.28	ug/l	
86-74-8	Carbazole	ND	2.2	0.18	ug/l	
218-01-9	Chrysene	ND	1.1	0.12	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.43	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.39	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.2	0.47	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.2	0.40	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.2	0.43	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.24	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.36	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.33	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.17	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.34	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.21	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.44	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.18	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.25	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.36	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.19	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	0.41	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.75	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.29	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.15	ug/l	
78-59-1	Isophorone	ND	2.2	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.73	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	0.26	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	0.32	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	0.20	ug/l	
91-20-3	Naphthalene	ND	1.1	0.47	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.28	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.24	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.23	ug/l	
129-00-0	Pyrene	ND	1.1	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.2	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		13-68%
4165-62-2	Phenol-d5	19%		10-49%
118-79-6	2,4,6-Tribromophenol	73%		37-130%
4165-60-0	Nitrobenzene-d5	82%		25-112%
321-60-8	2-Fluorobiphenyl	76%		31-106%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	78%		14-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
138-86-3	Limonene	7.00	13	ug/l	JN
	Total TIC, Semi-Volatile		13	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G41283.D	1	10/30/09	TDR	10/29/09	OP40551	G3G1537
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0032	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0032	ug/l	
319-86-8	delta-BHC	ND	0.022	0.0018	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0026	ug/l	
5103-71-9	alpha-Chlordane	ND	0.022	0.0023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.022	0.0055	ug/l	
60-57-1	Dieldrin	ND	0.022	0.0032	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.0035	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0032	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.0032	ug/l	
72-20-8	Endrin	ND	0.022	0.0040	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.0071	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.0077	ug/l	
53494-70-5	Endrin ketone	ND	0.022	0.0065	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0039	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0047	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0071	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.022	0.0028	ug/l	
72-43-5	Methoxychlor	ND	0.022	0.0066	ug/l	
8001-35-2	Toxaphene	ND	0.27	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		30-137%
877-09-8	Tetrachloro-m-xylene	85%		30-137%
2051-24-3	Decachlorobiphenyl	32%		10-137%
2051-24-3	Decachlorobiphenyl	37%		10-137%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB84637.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.54	0.32	ug/l	
11104-28-2	Aroclor 1221	ND	0.54	0.44	ug/l	
11141-16-5	Aroclor 1232	ND	0.54	0.33	ug/l	
53469-21-9	Aroclor 1242	ND	0.54	0.29	ug/l	
12672-29-6	Aroclor 1248	ND	0.54	0.30	ug/l	
11097-69-1	Aroclor 1254	ND	0.54	0.19	ug/l	
11096-82-5	Aroclor 1260	ND	0.54	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		30-140%
877-09-8	Tetrachloro-m-xylene	92%		30-140%
2051-24-3	Decachlorobiphenyl	47%		10-142%
2051-24-3	Decachlorobiphenyl	48%		10-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
		Percent Solids:	n/a
Project:	Hess-Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Arsenic	< 8.0	8.0	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Barium	< 200	200	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Beryllium	< 1.0	1.0	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Calcium	< 5000	5000	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Chromium	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Copper	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Iron	< 100	100	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Lead	< 3.0	3.0	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Magnesium	< 5000	5000	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Manganese	< 15	15	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Mercury	< 0.20	0.20	ug/l	1	11/06/09	11/06/09	JW	SW846 7470A [1]	SW846 7470A [4]
Nickel	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Sodium	< 10000	10000	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Vanadium	< 50	50	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]
Zinc	< 20	20	ug/l	1	11/06/09	11/08/09	ND	SW846 6010B [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA23418
(2) Instrument QC Batch: MA23427
(3) Prep QC Batch: MP50421
(4) Prep QC Batch: MP50428

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JA31420-26	**Date Sampled:**	10/27/09
Matrix:	AQ - Field Blank Soil	**Date Received:**	10/27/09
		Percent Solids:	n/a
Project:	Hess-Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	11/05/09 11:05	JA	EPA 335.4/LACHAT

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA31420-27	**Date Sampled:**	10/27/09
Matrix:	AQ - Trip Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U124535.D	1	11/06/09	JTP	n/a	n/a	VU4950
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA31420-27	**Date Sampled:**	10/27/09
Matrix:	AQ - Trip Blank Soil	**Date Received:**	10/27/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hess-Port Reading, NJ		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	88%		64-135%
2037-26-5	Toluene-D8	91%		76-117%
460-00-4	4-Bromofluorobenzene	87%		72-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

PAGE 1 OF 3

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #: | Accutest Quote #: | Accutest Job #: JA31420

Client / Reporting Information

Company Name: Envirotrac
Street Address: 400 Corporate Ct.
City / State / Zip: South Plainfield, NJ
Project Contact: Bill Groelz | E-mail:
Phone #: 908-757-1400 | Fax #:
Sampler(s) Name(s): Phil Allegro | Phone #:

Project Information

Project Name: Site Wide Geoprobe
Street: Hess - Port Reading
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)
Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet): TCLP

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCLP	LAB USE ONLY
1	NLF-1-0-2		10/27/09	1200	PA	SO	4					1			3	+	48FLR,
2	NLF-1-2-4			1209													14CS,
3	NLF-1-4-6			1216													4066
4	NLF-1-6-8			1215													
5	NLF-1-8-10			1220													EX86,
6	NLF-2-0-2			1230													AMET12,
7	NLF-2-2-4			1235													WC43,
8	NLF-2-4-6			1240													2137
9	NLF-2-6-8			1245													
10	NLF-2-8-10			1250													
11	NLF-3-0-2			1300													
12	NLF-3-2-4			1305													

Turnaround Time (Business days)
- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] EULLT1 (Level 3+4)
- [x] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions
~~5.3, 2.6~~, 2.5, 2, 2.5 ~~2.5, 2.5, 2.5~~
2.7, 2.3, ~~3.1, 2.5, 4.6~~, 4.6, 4.8, 2.5
3.2, 4.6, 4.6, 3.2, 5, 4.6 TAT
3 Encores / TB ~~[illegible]~~

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/27/09 1700	1	2	10/27/09 1800	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seals: [ ] Intact [ ] Not intact	Preserved where applicable: [x]	On Ice: [ ] Cooler Temp.

19 Coolers

JA31420: Chain of Custody
Page 1 of 4

ACCUTEST Laboratories

CHAIN OF CUSTODY

PAGE 0 OF 1

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JA31420

Client / Reporting Information

Company Name: Envirotrac
Street Address: 400 Corporate Cir
City / State / Zip: South Plainfield, NJ
Project Contact / E-mail: Bill Groeling
Phone #: 908-757-1900 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: Site wide Geoprobe
Street: Hess - Port Reading
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet): TCLP

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
13	NLF-3-4-6		10/27/09	1310	DA	SO	4					1			3	
14	NLF-3-6-8			1315												
15	NLF-3-8-10			1320												
16	NLF-4-0-2			1330												
17	NLF-4-2-4			1335												
18	NLF-4-4-6			1340												
19	NLF-4-6-8			1345												
20	NLF-4-8-10			1350												
21	NLF-5-0-2			1400												
22	NLF-5-2-4			1405												
23	NLF-5-4-6			1410												
24	NLF-5-6-8			1415												

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [x] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

5.3, 2.3, 2.5, 2.2, 2.5, 3.7, 5.7
2.7, 2.3, 3.1, 4.5, 4.6, 4.8, 2.5
3.2, 4.6, 4.6, 3.2, 5.4°C JHR

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10/27/09	1	2	10/27/09 1645	2
Relinquished by Sampler: 3	Date Time:	Received By: 4	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	[x] Intact [ ] Not intact	Preserved where applicable [ ] On Ice [ ] Cooler Temp. Temp

19 Coolers 42, 44, 46, 48, 822, 824, 826, 828, 830, 29, 32, 34, 36, 38, 40, 48, 22, 24, 38 Above

JA31420: Chain of Custody
Page 2 of 4

ACCUTEST Laboratories

SLL
FB
STB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JA31420

Client / Reporting Information

Company Name: Envirotrac
Street Address: 400 Corporate Ct
City / State / Zip: South Plainfield, NJ
Project Contact / E-mail: Bill Groelny
Phone #: 908-757-0900 Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: Site Wide Geoprobe
Street: Hess - Port Reading
City / State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis (see TEST CODE sheet): TCLP

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCLP	LAB USE ONLY
25	NLF-5-8-10		10/27/09	1430	PA	SO	4					1			3	X	
26	Field Blank		↓	1430	↓		16									X	
27	Trip Blank		↓		↓		2										

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [x] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

5.3, 2.3, 2.5, 2.2, 2.5, 3.7, 5.7
2.7, 2.3, 3.1, 4.5, 4.6, 4.8, 2.5
3.2, 4.6, 4.6, 3.2, 5.4°C TR
Bill 10/26/09 @ 1630

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		10/27/09			10/27/09 1545	
2						
3		10/27/09				
4						
5						

Custody Seals: Intact / Not intact — Preserved where applicable — On Ice — Cooler Temp: Temp Above

42, 44, 46, 48, 822, 824, 826, 828, 830, 25, 32, 34, 36, 38, 40, 22, 24, 38 — 19 Coolers

JA31420: Chain of Custody
Page 3 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA31420 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 10/27/2009 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 2 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservatio	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	
2. Trip Blank listed on COC:	☑	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
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Dayton, New Jersey
www/accutest.com

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-1 NLF-1-0-2	Collected: 27-OCT-09 12:00 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-1	SW846 8082	29-OCT-09 23:29	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-1	SW846 9012 M/LACHAT	31-OCT-09 10:38	NR	30-OCT-09	NP	CN
JA31420-1	SW846 8081A	04-NOV-09 23:07	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-1	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-1	SW846 8260B	07-NOV-09 17:11	DPP			V8260TCL+ 10
JA31420-1	SW846 7471A	07-NOV-09 17:23	TG	07-NOV-09	TG	HG
JA31420-1	SW846 8270C	09-NOV-09 14:19	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-1	SW846 6010B	09-NOV-09 21:24	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-1	SW846 6010B	10-NOV-09 08:15	ND	09-NOV-09	DP	TL
JA31420-2 NLF-1-2-4	Collected: 27-OCT-09 12:05 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-2	SW846 8082	29-OCT-09 23:50	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-2	SW846 9012 M/LACHAT	31-OCT-09 10:40	NR	30-OCT-09	NP	CN
JA31420-2	SW846 8081A	31-OCT-09 13:46	TDR	29-OCT-09	GAD	P8081PESTTCL
JA31420-2	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-2	SW846 7471A	07-NOV-09 17:24	TG	07-NOV-09	TG	HG
JA31420-2	SW846 8260B	07-NOV-09 17:39	DPP			V8260TCL+ 10
JA31420-2	SW846 8270C	09-NOV-09 13:49	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-2	SW846 6010B	09-NOV-09 21:36	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-3 NLF-1-4-6	Collected: 27-OCT-09 12:10 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-3	SW846 8082	30-OCT-09 03:08	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-3	SW846 9012 M/LACHAT	31-OCT-09 10:41	NR	30-OCT-09	NP	CN
JA31420-3	SW846 8081A	31-OCT-09 13:24	TDR	29-OCT-09	GAD	P8081PESTTCL
JA31420-3	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-3	SW846 7471A	07-NOV-09 17:25	TG	07-NOV-09	TG	HG
JA31420-3	SW846 8260B	07-NOV-09 18:08	DPP			V8260TCL+ 10
JA31420-3	SW846 8270C	09-NOV-09 10:45	VN	03-NOV-09	FUO	AB8270TCL+

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-3	SW846 6010B	09-NOV-09 21:42	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-4 NLF-1-6-8	Collected: 27-OCT-09 12:15 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-4	SW846 8082	30-OCT-09 02:46	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-4	SW846 8081A	30-OCT-09 20:08	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-4	SW846 9012 M/LACHAT	31-OCT-09 10:42	NR	30-OCT-09	NP	CN
JA31420-4	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-4	SW846 7471A	07-NOV-09 17:27	TG	07-NOV-09	TG	HG
JA31420-4	SW846 8260B	07-NOV-09 18:36	DPP			V8260TCL+ 10
JA31420-4	SW846 8270C	09-NOV-09 16:21	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-4	SW846 6010B	09-NOV-09 21:48	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-5 NLF-1-8-10	Collected: 27-OCT-09 12:20 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-5	SW846 8082	30-OCT-09 03:30	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-5	SW846 9012 M/LACHAT	31-OCT-09 10:43	NR	30-OCT-09	NP	CN
JA31420-5	SW846 8081A	31-OCT-09 14:00	TDR	29-OCT-09	GAD	P8081PESTTCL
JA31420-5	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-5	SW846 7471A	07-NOV-09 17:28	TG	07-NOV-09	TG	HG
JA31420-5	SW846 8260B	07-NOV-09 19:05	DPP			V8260TCL+ 10
JA31420-5	SW846 8270C	09-NOV-09 12:17	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-5	SW846 6010B	09-NOV-09 21:54	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-6 NLF-2-0-2	Collected: 27-OCT-09 12:30 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-6	SW846 8082	30-OCT-09 03:52	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-6	SW846 9012 M/LACHAT	31-OCT-09 10:44	NR	30-OCT-09	NP	CN
JA31420-6	SW846 8081A	31-OCT-09 14:22	TDR	29-OCT-09	GAD	P8081PESTTCL
JA31420-6	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-6	SW846 7471A	07-NOV-09 17:29	TG	07-NOV-09	TG	HG

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-6	SW846 8260B	07-NOV-09 20:37	DPP			V8260TCL+ 10
JA31420-6	SW846 8270C	09-NOV-09 17:51	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-6	SW846 6010B	09-NOV-09 22:13	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-6	SW846 6010B	10-NOV-09 08:21	ND	09-NOV-09	DP	TL
JA31420-7 NLF-2-2-4	Collected: 27-OCT-09 12:35 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-7	SW846 8082	30-OCT-09 04:14	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-7	SW846 9012 M/LACHAT	31-OCT-09 10:46	NR	30-OCT-09	NP	CN
JA31420-7	SW846 8081A	04-NOV-09 22:45	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-7	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-7	SW846 7471A	07-NOV-09 17:31	TG	07-NOV-09	TG	HG
JA31420-7	SW846 8260B	07-NOV-09 21:06	DPP			V8260TCL+ 10
JA31420-7	SW846 8270C	09-NOV-09 17:21	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-7	SW846 6010B	09-NOV-09 22:19	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-7	SW846 6010B	10-NOV-09 08:26	ND	09-NOV-09	DP	TL
JA31420-8 NLF-2-4-6	Collected: 27-OCT-09 12:40 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-8	SW846 8082	30-OCT-09 04:36	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-8	SW846 9012 M/LACHAT	31-OCT-09 10:47	NR	30-OCT-09	NP	CN
JA31420-8	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-8	SW846 7471A	07-NOV-09 17:32	TG	07-NOV-09	TG	HG
JA31420-8	SW846 8260B	07-NOV-09 21:34	DPP			V8260TCL+ 10
JA31420-8	SW846 8270C	09-NOV-09 15:51	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-8	SW846 6010B	09-NOV-09 22:26	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-8	SW846 8270C	10-NOV-09 10:06	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-8	SW846 8081A	10-NOV-09 11:10	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-8	SW846 6010B	10-NOV-09 19:52	GT	09-NOV-09	DP	TL

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-9 NLF-2-6-8	Collected: 27-OCT-09 12:45 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-9	SW846 8082	30-OCT-09 04:58	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-9	SW846 9012 M/LACHAT	31-OCT-09 10:48	NR	30-OCT-09	NP	CN
JA31420-9	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-9	SW846 7471A	07-NOV-09 17:33	TG	07-NOV-09	TG	HG
JA31420-9	SW846 8260B	07-NOV-09 22:03	DPP			V8260TCL+ 10
JA31420-9	SW846 8270C	09-NOV-09 14:50	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-9	SW846 6010B	09-NOV-09 22:32	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-9	SW846 8081A	10-NOV-09 11:26	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-10 NLF-2-8-10	Collected: 27-OCT-09 12:50 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-10	SW846 8082	30-OCT-09 05:20	VDT	29-OCT-09	GAD	P8082PCBAO
JA31420-10	SW846 9012 M/LACHAT	31-OCT-09 10:52	NR	30-OCT-09	NP	CN
JA31420-10	SW846 8081A	04-NOV-09 23:21	JSE	29-OCT-09	GAD	P8081PESTTCL
JA31420-10	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-10	SW846 7471A	07-NOV-09 17:34	TG	07-NOV-09	TG	HG
JA31420-10	SW846 8260B	07-NOV-09 22:31	DPP			V8260TCL+ 10
JA31420-10	SW846 8270C	09-NOV-09 19:20	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-10	SW846 6010B	09-NOV-09 22:38	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-10	SW846 6010B	10-NOV-09 08:32	ND	09-NOV-09	DP	TL
JA31420-11 NLF-3-0-2	Collected: 27-OCT-09 13:00 By: PA		Received: 27-OCT-09 By: MPC			
JA31420-11	SW846 9012 M/LACHAT	31-OCT-09 10:53	NR	30-OCT-09	NP	CN
JA31420-11	SW846 8082	02-NOV-09 12:58	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-11	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-11	SW846 8260B	07-NOV-09 23:00	DPP			V8260TCL+ 10
JA31420-11	SW846 7471A	09-NOV-09 14:59	RP	09-NOV-09	TG	HG
JA31420-11	SW846 8270C	09-NOV-09 18:21	VN	03-NOV-09	FUO	AB8270TCL+

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-11	SW846 6010B	09-NOV-09 22:44	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-11	SW846 6010B	10-NOV-09 08:37	ND	09-NOV-09	DP	TL
JA31420-11	SW846 8081A	12-NOV-09 10:26	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-12	Collected: 27-OCT-09 13:05 By: PA		Received: 27-OCT-09 By: MPC			
NLF-3-2-4						
JA31420-12	SW846 9012 M/LACHAT	31-OCT-09 10:54	NR	30-OCT-09	NP	CN
JA31420-12	SW846 8082	02-NOV-09 16:03	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-12	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-12	SW846 8260B	07-NOV-09 23:28	DPP			V8260TCL+ 10
JA31420-12	SW846 7471A	09-NOV-09 15:00	RP	09-NOV-09	TG	HG
JA31420-12	SW846 6010B	09-NOV-09 22:50	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-12	SW846 6010B	10-NOV-09 08:43	ND	09-NOV-09	DP	TL
JA31420-12	SW846 8270C	10-NOV-09 11:05	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-12	SW846 8270C	10-NOV-09 13:04	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-12	SW846 8081A	11-NOV-09 13:12	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-13	Collected: 27-OCT-09 13:10 By: PA		Received: 27-OCT-09 By: MPC			
NLF-3-4-6						
JA31420-13	SW846 9012 M/LACHAT	31-OCT-09 10:55	NR	30-OCT-09	NP	CN
JA31420-13	SW846 8082	02-NOV-09 16:33	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-13	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-13	SW846 8260B	07-NOV-09 23:57	DPP			V8260TCL+ 10
JA31420-13	SW846 7471A	09-NOV-09 15:04	RP	09-NOV-09	TG	HG
JA31420-13	SW846 6010B	09-NOV-09 22:56	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-13	SW846 6010B	10-NOV-09 08:49	ND	09-NOV-09	DP	TL
JA31420-13	SW846 8270C	10-NOV-09 12:04	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-13	SW846 8270C	10-NOV-09 13:34	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-13	SW846 8081A	11-NOV-09 12:56	JSE	10-NOV-09	GAD	P8081PESTTCL

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-14 Collected: 27-OCT-09 13:15 By: PA Received: 27-OCT-09 By: MPC NLF-3-6-8						
JA31420-14	SW846 9012 M/LACHAT	31-OCT-09 10:56	NR	30-OCT-09	NP	CN
JA31420-14	SW846 8082	02-NOV-09 17:02	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-14	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-14	SW846 8260B	08-NOV-09 00:25	DPP			V8260TCL+ 10
JA31420-14	SW846 7471A	09-NOV-09 15:06	RP	09-NOV-09	TG	HG
JA31420-14	SW846 6010B	09-NOV-09 23:02	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,K,MG,MN,NA,NI,PB,SB,SE, V,ZN
JA31420-14	SW846 8270C	10-NOV-09 11:35	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-14	SW846 6010B	10-NOV-09 19:58	GT	09-NOV-09	DP	TL
JA31420-14	SW846 6010B	11-NOV-09 17:55	GT	09-NOV-09	DP	FE
JA31420-14	SW846 8081A	12-NOV-09 10:42	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-15 Collected: 27-OCT-09 13:20 By: PA Received: 27-OCT-09 By: MPC NLF-3-8-10						
JA31420-15	SW846 9012 M/LACHAT	31-OCT-09 10:58	NR	30-OCT-09	NP	CN
JA31420-15	SW846 8082	02-NOV-09 17:16	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-15	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-15	SW846 8260B	08-NOV-09 00:54	DPP			V8260TCL+ 10
JA31420-15	SW846 7471A	09-NOV-09 15:07	RP	09-NOV-09	TG	HG
JA31420-15	SW846 8270C	09-NOV-09 18:51	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-15	SW846 6010B	09-NOV-09 23:08	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-15	SW846 6010B	10-NOV-09 20:04	GT	09-NOV-09	DP	TL
JA31420-15	SW846 8081A	12-NOV-09 10:58	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-16 Collected: 27-OCT-09 13:30 By: PA Received: 27-OCT-09 By: MPC NLF-4-0-2						
JA31420-16	SW846 9012 M/LACHAT	31-OCT-09 11:00	NR	30-OCT-09	NP	CN
JA31420-16	SW846 8082	02-NOV-09 12:32	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-16	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-16	SW846 8260B	09-NOV-09 12:08	DPP			V8260TCL+ 10
JA31420-16	SW846 8270C	09-NOV-09 12:48	VN	03-NOV-09	FUO	AB8270TCL+

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-16	SW846 7471A	09-NOV-09 15:08	RP	09-NOV-09	TG	HG
JA31420-16	SW846 6010B	09-NOV-09 23:27	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-16	SW846 8081A	11-NOV-09 12:41	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-17	Collected: 27-OCT-09 13:35 By: PA		Received: 27-OCT-09 By: MPC			
NLF-4-2-4						
JA31420-17	SW846 9012 M/LACHAT	31-OCT-09 11:01	NR	30-OCT-09	NP	CN
JA31420-17	SW846 8082	02-NOV-09 17:44	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-17	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-17	SW846 8260B	09-NOV-09 12:37	DPP			V8260TCL+ 10
JA31420-17	SW846 7471A	09-NOV-09 15:09	RP	09-NOV-09	TG	HG
JA31420-17	SW846 8270C	09-NOV-09 16:51	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-17	SW846 6010B	09-NOV-09 23:33	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-17	SW846 8270C	10-NOV-09 10:36	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-17	SW846 8081A	12-NOV-09 11:17	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-18	Collected: 27-OCT-09 13:40 By: PA		Received: 27-OCT-09 By: MPC			
NLF-4-4-6						
JA31420-18	SW846 8082	02-NOV-09 17:59	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-18	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-18	SW846 9012 M/LACHAT	05-NOV-09 11:32	JA	04-NOV-09	NP	CN
JA31420-18	SW846 8260B	09-NOV-09 13:06	DPP			V8260TCL+ 10
JA31420-18	SW846 7471A	09-NOV-09 15:11	RP	09-NOV-09	TG	HG
JA31420-18	SW846 8270C	09-NOV-09 15:21	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-18	SW846 6010B	09-NOV-09 23:39	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-18	SW846 8270C	10-NOV-09 09:37	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-18	SW846 8081A	12-NOV-09 11:32	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-19	Collected: 27-OCT-09 13:45 By: PA		Received: 27-OCT-09 By: MPC			
NLF-4-6-8						
JA31420-19	SW846 8082	02-NOV-09 18:27	JSE	31-OCT-09	FUO	P8082PCBAO

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-19	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-19	SW846 9012 M/LACHAT	05-NOV-09 11:35	JA	04-NOV-09	NP	CN
JA31420-19	SW846 7471A	09-NOV-09 15:12	RP	09-NOV-09	TG	HG
JA31420-19	SW846 8270C	09-NOV-09 20:20	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-19	SW846 6010B	09-NOV-09 23:46	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
JA31420-19	SW846 8270C	10-NOV-09 12:34	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-19	SW846 8260B	10-NOV-09 13:44	JLI			V8260TCL+ 10
JA31420-19	SW846 6010B	10-NOV-09 20:10	GT	09-NOV-09	DP	TL
JA31420-19	SW846 8081A	12-NOV-09 11:48	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-20	Collected: 27-OCT-09 13:50 By: PA		Received: 27-OCT-09 By: MPC			
NLF-4-8-10						
JA31420-20	SW846 8082	02-NOV-09 18:56	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-20	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-20	SW846 9012 M/LACHAT	05-NOV-09 11:36	JA	04-NOV-09	NP	CN
JA31420-20	SW846 8270C	09-NOV-09 13:18	VN	03-NOV-09	FUO	AB8270TCL+
JA31420-20	SW846 7471A	09-NOV-09 15:14	RP	09-NOV-09	TG	HG
JA31420-20	SW846 6010B	09-NOV-09 23:52	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
JA31420-20	SW846 8260B	10-NOV-09 14:15	JLI			V8260TCL+ 10
JA31420-20	SW846 6010B	10-NOV-09 20:16	GT	09-NOV-09	DP	TL
JA31420-20	SW846 8081A	12-NOV-09 12:04	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-21	Collected: 27-OCT-09 14:00 By: PA		Received: 27-OCT-09 By: MPC			
NLF-5-0-2						
JA31420-21	SW846 8082	02-NOV-09 19:09	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-21	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-21	SW846 9012 M/LACHAT	05-NOV-09 11:37	JA	04-NOV-09	NP	CN
JA31420-21	SW846 8270C	06-NOV-09 15:12	NAP	29-OCT-09	WMC	AB8270TCL+
JA31420-21	SW846 8260B	09-NOV-09 13:35	DPP			V8260TCL+ 10
JA31420-21	SW846 7471A	09-NOV-09 15:15	RP	09-NOV-09	TG	HG
JA31420-21	SW846 6010B	10-NOV-09 02:20	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
JA31420-21	SW846 6010B	10-NOV-09 20:34	GT	09-NOV-09	DP	TL

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-21	SW846 8081A	12-NOV-09 12:19	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-22	Collected: 27-OCT-09 14:05 By: PA		Received: 27-OCT-09 By: MPC			
NLF-5-2-4						
JA31420-22	SW846 8082	02-NOV-09 22:28	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-22	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-22	SW846 9012 M/LACHAT	05-NOV-09 11:38	JA	04-NOV-09	NP	CN
JA31420-22	SW846 8270C	06-NOV-09 21:43	NAP	29-OCT-09	WMC	AB8270TCL+
JA31420-22	SW846 8260B	09-NOV-09 14:04	DPP			V8260TCL+ 10
JA31420-22	SW846 7471A	09-NOV-09 15:16	RP	09-NOV-09	TG	HG
JA31420-22	SW846 6010B	10-NOV-09 02:26	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-22	SW846 6010B	10-NOV-09 20:40	GT	09-NOV-09	DP	TL
JA31420-22	SW846 8081A	12-NOV-09 11:14	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-23	Collected: 27-OCT-09 14:10 By: PA		Received: 27-OCT-09 By: MPC			
4LF-5-4-6						
JA31420-23	SW846 8082	02-NOV-09 22:58	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-23	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-23	SW846 9012 M/LACHAT	05-NOV-09 11:39	JA	04-NOV-09	NP	CN
JA31420-23	SW846 8270C	06-NOV-09 15:45	NAP	29-OCT-09	WMC	AB8270TCL+
JA31420-23	SW846 8260B	09-NOV-09 14:33	DPP			V8260TCL+ 10
JA31420-23	SW846 7471A	09-NOV-09 15:23	RP	09-NOV-09	TG	HG
JA31420-23	SW846 6010B	10-NOV-09 02:33	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-23	SW846 8081A	12-NOV-09 11:32	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-24	Collected: 27-OCT-09 14:15 By: PA		Received: 27-OCT-09 By: MPC			
NLF-5-6-8						
JA31420-24	SW846 8082	02-NOV-09 23:13	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-24	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-24	SW846 9012 M/LACHAT	05-NOV-09 11:40	JA	04-NOV-09	NP	CN
JA31420-24	SW846 8270C	06-NOV-09 16:17	NAP	29-OCT-09	WMC	AB8270TCL+
JA31420-24	SW846 7471A	09-NOV-09 15:24	RP	09-NOV-09	TG	HG

Internal Sample Tracking Chronicle

EnviroTrac, Ltd.

Job No: JA31420

Hess-Port Reading, NJ
Project No: Site Wide Geoprobe

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA31420-24	SW846 6010B	10-NOV-09 02:39	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,V,ZN
JA31420-24	SW846 8260B	10-NOV-09 14:46	JLI			V8260TCL+ 10
JA31420-24	SW846 6010B	10-NOV-09 20:57	GT	09-NOV-09	DP	TL
JA31420-24	SW846 8081A	12-NOV-09 11:46	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-25	Collected: 27-OCT-09 14:20 By: PA		Received: 27-OCT-09 By: MPC			
NLF-5-8-10						
JA31420-25	SW846 8082	02-NOV-09 23:42	JSE	31-OCT-09	FUO	P8082PCBAO
JA31420-25	SM18 2540G	05-NOV-09	DD			%SOL
JA31420-25	SW846 9012 M/LACHAT	05-NOV-09 11:41	JA	04-NOV-09	NP	CN
JA31420-25	SW846 8270C	06-NOV-09 17:22	NAP	29-OCT-09	WMC	AB8270TCL+
JA31420-25	SW846 7471A	09-NOV-09 15:25	RP	09-NOV-09	TG	HG
JA31420-25	SW846 8260B	09-NOV-09 17:54	DPP			V8260TCL+ 10
JA31420-25	SW846 6010B	10-NOV-09 01:31	ND	09-NOV-09	DP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-25	SW846 8081A	12-NOV-09 14:06	JSE	10-NOV-09	GAD	P8081PESTTCL
JA31420-26	Collected: 27-OCT-09 14:30 By: PA		Received: 27-OCT-09 By: MPC			
FIELD BLANK						
JA31420-26	SW846 8081A	30-OCT-09 11:08	TDR	29-OCT-09	GGP	P8081PESTTCL
JA31420-26	SW846 8082	30-OCT-09 22:25	JSE	29-OCT-09	GGP	P8082PCBAO
JA31420-26	EPA 335.4/LACHAT	05-NOV-09 11:05	JA	03-NOV-09	MW	CN
JA31420-26	SW846 8260B	06-NOV-09 00:13	JTP			V8260TCL+ 10
JA31420-26	SW846 7470A	06-NOV-09 17:02	JW	06-NOV-09	JW	HG
JA31420-26	SW846 6010B	08-NOV-09 19:14	ND	06-NOV-09	SP	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JA31420-26	SW846 8270C	11-NOV-09 18:35	OYA	30-OCT-09	RSJ	AB8270TCL+
JA31420-27	Collected: 27-OCT-09 14:30 By: PA		Received: 27-OCT-09 By: MPC			
TRIP BLANK						
JA31420-27	SW846 8260B	06-NOV-09 00:42	JTP			V8260TCL+ 10

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-1.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-1.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-1.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-1.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-1.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-1.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-1.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-1.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-1.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-1.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-1.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-1.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-1.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-1.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-1.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-1.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-1.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-1.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-1.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-1.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-1.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-1.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-1.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-1.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-1.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-1.1
JA31420-1.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-1.1
JA31420-1.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-1.1.1	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-1.1.1	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-1.1.1	GCXX	Jennifer Elliott	11/11/09 13:41	Unload from Instrument
JA31420-1.1.1	Jennifer Elliott	Extract Freezer	11/11/09 13:41	Return to Storage
JA31420-1.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-1.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-1.1
JA31420-1.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-1.1
JA31420-1.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-1.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-1.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-1.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-1.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-1.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-1.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-1.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-1.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-1.1
JA31420-1.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-1.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-1.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-1.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-1.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-1.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-1.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-1.1
JA31420-1.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-1.1
JA31420-1.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-1.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-1.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-1.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-1.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-1.1
JA31420-1.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-1.1
JA31420-1.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-1.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-1.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-1.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-1.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-1.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-1.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-1.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-1.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-1.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-1.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-1.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-1.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-2.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-2.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-2.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-2.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-2.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-2.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-2.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-2.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-2.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-2.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-2.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-2.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-2.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-2.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-2.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-2.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-2.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-2.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-2.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-2.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-2.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-2.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-2.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-2.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-2.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-2.1
JA31420-2.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-2.1
JA31420-2.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-2.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-2.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-2.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-2.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage
JA31420-2.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-2.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-2.1
JA31420-2.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-2.1
JA31420-2.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-2.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-2.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-2.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-2.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-2.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-2.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-2.1
JA31420-2.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-2.1
JA31420-2.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-2.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-2.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-2.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-2.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-2.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-2.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-2.1
JA31420-2.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-2.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-2.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-2.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-2.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-2.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-2.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-2.1
JA31420-2.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-2.1
JA31420-2.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-2.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-2.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-2.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-2.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-2.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-2.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-2.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-2.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-2.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-2.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-2.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-2.5	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-2.5	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-2.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-3.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-3.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-3.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-3.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-3.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-3.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-3.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-3.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-3.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-3.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-3.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-3.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-3.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-3.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-3.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-3.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-3.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-3.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-3.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-3.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-3.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-3.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-3.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-3.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-3.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-3.1
JA31420-3.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-3.1
JA31420-3.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-3.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-3.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-3.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-3.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage
JA31420-3.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-3.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-3.1
JA31420-3.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-3.1
JA31420-3.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-3.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-3.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-3.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-3.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-3.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-3.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-3.1
JA31420-3.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-3.1
JA31420-3.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-3.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-3.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-3.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-3.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-3.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-3.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-3.1
JA31420-3.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-3.1
JA31420-3.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-3.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-3.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-3.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-3.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-3.1
JA31420-3.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-3.1
JA31420-3.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-3.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-3.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-3.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-3.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-3.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-3.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-3.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-3.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-3.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-3.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-3.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-3.5	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-3.5	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-3.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-4.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-4.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-4.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-4.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-4.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-4.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-4.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-4.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-4.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-4.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-4.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-4.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-4.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-4.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-4.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-4.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-4.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-4.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-4.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-4.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-4.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-4.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-4.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-4.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-4.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-4.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-4.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-4.1
JA31420-4.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-4.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-4.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-4.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-4.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage
JA31420-4.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-4.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-4.1
JA31420-4.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-4.1
JA31420-4.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-4.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-4.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-4.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-4.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-4.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-4.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-4.1
JA31420-4.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-4.1
JA31420-4.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-4.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-4.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-4.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-4.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-4.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-4.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-4.1
JA31420-4.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-4.1
JA31420-4.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-4.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-4.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-4.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-4.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-4.1
JA31420-4.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-4.1
JA31420-4.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-4.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-4.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-4.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-4.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-4.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-4.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-4.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-4.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-4.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-4.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-4.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-4.5	Secured Storage	Dipa Patel	11/09/09 09:50	Retrieve from Storage
JA31420-4.5	Dipa Patel	GCMS3C	11/09/09 09:50	Load on Instrument
JA31420-4.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-4.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-4.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-5.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-5.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-5.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-5.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-5.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-5.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-5.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-5.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-5.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-5.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-5.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-5.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-5.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-5.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-5.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-5.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-5.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-5.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-5.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-5.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-5.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-5.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-5.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-5.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-5.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-5.1
JA31420-5.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-5.1
JA31420-5.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-5.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-5.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-5.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-5.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-5.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-5.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-5.1
JA31420-5.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-5.1
JA31420-5.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-5.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-5.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-5.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-5.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-5.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-5.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-5.1
JA31420-5.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-5.1
JA31420-5.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-5.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-5.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-5.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-5.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-5.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-5.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-5.1
JA31420-5.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-5.1
JA31420-5.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-5.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-5.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-5.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-5.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-5.1
JA31420-5.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-5.1
JA31420-5.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-5.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-5.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-5.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-5.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-5.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-5.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-5.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-5.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-5.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-5.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-5.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-5.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-6.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-6.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-6.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-6.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-6.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-6.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-6.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-6.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-6.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-6.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-6.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-6.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-6.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-6.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-6.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-6.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-6.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-6.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-6.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-6.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-6.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-6.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-6.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-6.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-6.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-6.1
JA31420-6.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-6.1
JA31420-6.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-6.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-6.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-6.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-6.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage
JA31420-6.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-6.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-6.1
JA31420-6.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-6.1
JA31420-6.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-6.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-6.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-6.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-6.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-6.1.2	Extract Freezer		12/09/09 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-6.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-6.1
JA31420-6.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-6.1
JA31420-6.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-6.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-6.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-6.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-6.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-6.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-6.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-6.1
JA31420-6.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-6.1
JA31420-6.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-6.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-6.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-6.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-6.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-6.1
JA31420-6.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-6.1
JA31420-6.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-6.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-6.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-6.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-6.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-6.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-6.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-6.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-6.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-6.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-6.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-6.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-6.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-7.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-7.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-7.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-7.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-7.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-7.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-7.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-7.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-7.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-7.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-7.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-7.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-7.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-7.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-7.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-7.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-7.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-7.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-7.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-7.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-7.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-7.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-7.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-7.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-7.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-7.1
JA31420-7.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-7.1
JA31420-7.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-7.1.1	Extract Storage	Jennifer Elliott	10/30/09 14:33	Retrieve from Storage
JA31420-7.1.1	Jennifer Elliott	GCXX	10/30/09 14:33	Load on Instrument
JA31420-7.1.1	GCXX	Jennifer Elliott	11/02/09 09:55	Unload from Instrument
JA31420-7.1.1	Jennifer Elliott	Extract Freezer	11/02/09 09:55	Return to Storage
JA31420-7.1.1	Extract Freezer	Jennifer Elliott	11/02/09 14:19	Retrieve from Storage
JA31420-7.1.1	Jennifer Elliott	GCXX	11/02/09 14:19	Load on Instrument
JA31420-7.1.1	GCXX	Jennifer Elliott	11/11/09 13:41	Unload from Instrument
JA31420-7.1.1	Jennifer Elliott	Extract Freezer	11/11/09 13:41	Return to Storage
JA31420-7.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-7.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-7.1
JA31420-7.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-7.1
JA31420-7.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-7.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-7.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-7.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-7.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-7.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-7.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-7.1
JA31420-7.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-7.1
JA31420-7.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-7.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-7.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-7.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-7.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-7.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-7.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-7.1
JA31420-7.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-7.1
JA31420-7.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-7.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-7.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-7.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-7.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-7.1
JA31420-7.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-7.1
JA31420-7.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-7.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-7.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-7.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-7.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-7.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-7.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-7.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-7.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-7.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-7.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-7.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-7.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-8.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-8.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-8.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-8.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-8.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-8.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-8.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-8.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-8.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-8.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-8.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-8.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-8.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-8.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-8.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-8.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-8.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-8.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-8.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-8.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-8.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-8.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-8.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-8.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-8.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-8.1
JA31420-8.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-8.1
JA31420-8.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-8.1.1	Extract Storage	Jennifer Elliott	11/02/09 14:19	Retrieve from Storage
JA31420-8.1.1	Jennifer Elliott	GCXX	11/02/09 14:19	Load on Instrument
JA31420-8.1.1	GCXX	Jennifer Elliott	11/09/09 17:00	Unload from Instrument
JA31420-8.1.1	Jennifer Elliott	GC2G	11/09/09 17:00	Load on Instrument
JA31420-8.1.1	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-8.1.1	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-8.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-8.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-8.1
JA31420-8.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-8.1
JA31420-8.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-8.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-8.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-8.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-8.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-8.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-8.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-8.1
JA31420-8.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-8.1
JA31420-8.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-8.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-8.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-8.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-8.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-8.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-8.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-8.1
JA31420-8.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-8.1
JA31420-8.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-8.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-8.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-8.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-8.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-8.1
JA31420-8.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-8.1
JA31420-8.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-8.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-8.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-8.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-8.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-8.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-8.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-8.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-8.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-8.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-8.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-8.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-8.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-9.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-9.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-9.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-9.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-9.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-9.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-9.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-9.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-9.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-9.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-9.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-9.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-9.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-9.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-9.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-9.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-9.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-9.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-9.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-9.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-9.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-9.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-9.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-9.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-9.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-9.1
JA31420-9.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-9.1
JA31420-9.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-9.1.1	Extract Storage	Jennifer Elliott	11/02/09 14:19	Retrieve from Storage
JA31420-9.1.1	Jennifer Elliott	GCXX	11/02/09 14:19	Load on Instrument
JA31420-9.1.1	GCXX	Jennifer Elliott	11/09/09 17:00	Unload from Instrument
JA31420-9.1.1	Jennifer Elliott	GC2G	11/09/09 17:00	Load on Instrument
JA31420-9.1.1	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-9.1.1	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-9.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-9.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-9.1
JA31420-9.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-9.1
JA31420-9.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-9.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-9.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-9.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-9.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-9.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-9.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-9.1
JA31420-9.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-9.1
JA31420-9.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-9.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-9.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-9.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-9.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-9.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-9.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-9.1
JA31420-9.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-9.1
JA31420-9.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-9.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-9.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:32	Return to Storage
JA31420-9.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-9.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-9.1
JA31420-9.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-9.1
JA31420-9.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-9.1.5	Extract Storage		12/21/09 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-9.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-9.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-9.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-9.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-9.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-9.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-9.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-9.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-9.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-9.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-9.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-10.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-10.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-10.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-10.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-10.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-10.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-10.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-10.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-10.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-10.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-10.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-10.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-10.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-10.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-10.1	Secured Storage	Teresa Guziak	11/07/09 07:21	Retrieve from Storage
JA31420-10.1	Teresa Guziak	Secured Storage	11/07/09 12:00	Return to Storage
JA31420-10.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-10.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-10.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-10.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-10.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-10.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-10.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-10.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-10.1.1	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-10.1
JA31420-10.1.1	Organics Prep	Gwendolyn Dymowski	10/29/09 16:36	Extract from JA31420-10.1
JA31420-10.1.1	Gwendolyn Dymowski	Extract Storage	10/29/09 16:36	Return to Storage
JA31420-10.1.1	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-10.1.1	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-10.1.1	GCXX	Jennifer Elliott	11/11/09 13:41	Unload from Instrument
JA31420-10.1.1	Jennifer Elliott	Extract Freezer	11/11/09 13:41	Return to Storage
JA31420-10.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-10.1.2	Gwendolyn Dymowski	Organics Prep	10/29/09 07:59	Extract from JA31420-10.1
JA31420-10.1.2	Organics Prep	Gwendolyn Dymowski	10/29/09 16:37	Extract from JA31420-10.1
JA31420-10.1.2	Gwendolyn Dymowski	Extract Storage	10/29/09 16:37	Return to Storage
JA31420-10.1.2	Extract Storage	Vincent Drago	10/29/09 17:43	Retrieve from Storage
JA31420-10.1.2	Vincent Drago	GCEF	10/29/09 17:43	Load on Instrument
JA31420-10.1.2	GCEF	Vincent Drago	11/03/09 18:24	Unload from Instrument
JA31420-10.1.2	Vincent Drago	Extract Freezer	11/03/09 18:24	Return to Storage
JA31420-10.1.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-10.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-10.1
JA31420-10.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-10.1
JA31420-10.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-10.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-10.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-10.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-10.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-10.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-10.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-10.1
JA31420-10.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-10.1
JA31420-10.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-10.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-10.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-10.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-10.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-10.1
JA31420-10.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-10.1
JA31420-10.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-10.1.5	Extract Storage		12/21/09 09:00	Disposed
JA31420-10.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-10.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-10.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-10.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-10.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-10.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-10.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-10.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-10.5	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-10.5	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-10.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-11.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-11.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-11.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-11.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-11.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-11.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-11.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-11.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-11.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-11.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-11.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-11.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-11.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-11.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-11.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-11.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-11.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-11.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-11.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-11.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-11.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-11.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-11.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-11.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-11.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-11.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-11.1
JA31420-11.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-11.1
JA31420-11.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-11.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-11.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-11.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-11.1.1	Jennifer Elliott	Extract Freezer	11/04/09 17:23	Return to Storage
JA31420-11.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-11.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-11.1
JA31420-11.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-11.1
JA31420-11.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-11.1.2	Extract Storage	Jennifer Elliott	11/02/09 10:17	Retrieve from Storage
JA31420-11.1.2	Jennifer Elliott	GCAB	11/02/09 10:17	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-11.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-11.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-11.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-11.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-11.1
JA31420-11.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-11.1
JA31420-11.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-11.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-11.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-11.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-11.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-11.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-11.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-11.1
JA31420-11.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-11.1
JA31420-11.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-11.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-11.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-11.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-11.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-11.1
JA31420-11.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-11.1
JA31420-11.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-11.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-11.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-11.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-11.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-11.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-11.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-11.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-11.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-11.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-11.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-11.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-11.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-11.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-11.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-11.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-11.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-12.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-12.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-12.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-12.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-12.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-12.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-12.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-12.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-12.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-12.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-12.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-12.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-12.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-12.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-12.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-12.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-12.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-12.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-12.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-12.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-12.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-12.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-12.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-12.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-12.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-12.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-12.1
JA31420-12.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-12.1
JA31420-12.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-12.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-12.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-12.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-12.1.1	Jennifer Elliott	Extract Freezer	11/04/09 17:23	Return to Storage
JA31420-12.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-12.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-12.1
JA31420-12.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-12.1
JA31420-12.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-12.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-12.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-12.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-12.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-12.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-12.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-12.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-12.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-12.1
JA31420-12.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-12.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-12.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-12.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-12.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-12.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-12.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-12.1
JA31420-12.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-12.1
JA31420-12.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-12.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-12.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-12.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-12.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-12.1
JA31420-12.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-12.1
JA31420-12.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-12.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-12.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-12.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-12.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-12.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-12.3	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-12.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-12.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-12.4	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-12.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-12.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-12.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-12.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-12.5	Secured Storage	Jayna Patel	10/28/09 08:14	Retrieve from Storage
JA31420-12.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-12.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-13.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-13.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-13.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-13.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-13.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-13.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-13.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-13.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-13.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-13.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-13.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-13.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-13.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-13.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-13.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-13.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-13.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-13.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-13.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-13.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-13.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-13.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-13.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-13.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-13.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-13.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-13.1
JA31420-13.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-13.1
JA31420-13.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-13.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-13.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-13.1.1	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-13.1.1	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-13.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-13.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-13.1
JA31420-13.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-13.1
JA31420-13.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-13.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-13.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-13.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-13.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-13.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-13.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-13.1
JA31420-13.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-13.1
JA31420-13.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-13.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-13.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-13.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-13.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-13.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-13.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-13.1
JA31420-13.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-13.1
JA31420-13.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-13.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-13.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-13.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-13.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-13.1
JA31420-13.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-13.1
JA31420-13.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-13.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-13.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-13.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-13.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-13.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-13.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-13.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-13.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-13.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-13.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-13.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-13.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-13.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-13.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-13.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-13.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-14.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-14.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-14.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-14.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-14.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-14.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-14.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-14.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-14.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-14.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-14.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-14.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-14.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-14.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-14.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-14.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-14.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-14.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-14.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-14.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-14.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-14.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-14.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-14.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-14.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-14.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-14.1
JA31420-14.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-14.1
JA31420-14.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-14.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-14.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-14.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-14.1.1	Jennifer Elliott	Extract Freezer	11/04/09 17:23	Return to Storage
JA31420-14.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-14.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-14.1
JA31420-14.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-14.1
JA31420-14.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-14.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-14.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-14.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-14.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-14.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-14.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-14.1
JA31420-14.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-14.1
JA31420-14.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-14.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-14.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-14.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-14.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-14.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-14.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-14.1
JA31420-14.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-14.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-14.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-14.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-14.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-14.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-14.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-14.1
JA31420-14.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-14.1
JA31420-14.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-14.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-14.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-14.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-14.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-14.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-14.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-14.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-14.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-14.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-14.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-14.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-14.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-14.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-14.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-14.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-14.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-15.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-15.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-15.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-15.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-15.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-15.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-15.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-15.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-15.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-15.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-15.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-15.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-15.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-15.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-15.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-15.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-15.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-15.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-15.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-15.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-15.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-15.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-15.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-15.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-15.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-15.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-15.1
JA31420-15.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-15.1
JA31420-15.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-15.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-15.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-15.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-15.1.1	Jennifer Elliott	Extract Freezer	11/04/09 17:23	Return to Storage
JA31420-15.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-15.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-15.1
JA31420-15.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-15.1
JA31420-15.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-15.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-15.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-15.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-15.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-15.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-15.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-15.1
JA31420-15.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-15.1
JA31420-15.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-15.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-15.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-15.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-15.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-15.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-15.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-15.1
JA31420-15.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-15.1
JA31420-15.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-15.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-15.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-15.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-15.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-15.1
JA31420-15.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-15.1
JA31420-15.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-15.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-15.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-15.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-15.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-15.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-15.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-15.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-15.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-15.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-15.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-15.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-15.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-15.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-15.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-15.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-15.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-16.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-16.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-16.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-16.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-16.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-16.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-16.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-16.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-16.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-16.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-16.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-16.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-16.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-16.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-16.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-16.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-16.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-16.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-16.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-16.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-16.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-16.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-16.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-16.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-16.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-16.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-16.1
JA31420-16.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-16.1
JA31420-16.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-16.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-16.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-16.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-16.1.1	Jennifer Elliott	Extract Freezer	11/04/09 17:23	Return to Storage
JA31420-16.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-16.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-16.1
JA31420-16.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-16.1
JA31420-16.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-16.1.2	Extract Storage	Jennifer Elliott	11/02/09 10:17	Retrieve from Storage
JA31420-16.1.2	Jennifer Elliott	GCAB	11/02/09 10:17	Load on Instrument
JA31420-16.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-16.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-16.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-16.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-16.1
JA31420-16.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-16.1
JA31420-16.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-16.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-16.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-16.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-16.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-16.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-16.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-16.1
JA31420-16.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-16.1
JA31420-16.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-16.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-16.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-16.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-16.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-16.1
JA31420-16.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-16.1
JA31420-16.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-16.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-16.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-16.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-16.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-16.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-16.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-16.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-16.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-16.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-16.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-16.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-16.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-16.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-16.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-16.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-16.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-16.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-16.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-16.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-16.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-17.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-17.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-17.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-17.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-17.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-17.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-17.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-17.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-17.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-17.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-17.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-17.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-17.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-17.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-17.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-17.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-17.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-17.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-17.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-17.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-17.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-17.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-17.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-17.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-17.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-17.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-17.1
JA31420-17.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-17.1
JA31420-17.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-17.1.1	Extract Storage	Jennifer Elliott	11/02/09 16:43	Retrieve from Storage
JA31420-17.1.1	Jennifer Elliott	GC2G	11/02/09 16:43	Load on Instrument
JA31420-17.1.1	GC2G	Jennifer Elliott	11/04/09 17:23	Unload from Instrument
JA31420-17.1.1	Jennifer Elliott	GCXX	11/04/09 17:23	Load on Instrument
JA31420-17.1.1	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-17.1.1	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-17.1.1	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-17.1.1	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-17.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-17.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-17.1
JA31420-17.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-17.1
JA31420-17.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-17.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-17.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-17.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-17.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-17.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-17.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-17.1
JA31420-17.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-17.1
JA31420-17.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-17.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-17.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-17.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-17.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-17.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-17.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-17.1
JA31420-17.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-17.1
JA31420-17.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-17.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-17.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-17.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-17.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-17.1
JA31420-17.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-17.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-17.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-17.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:21	Retrieve from Storage
JA31420-17.1.5	Jennifer Elliott	GC2G	11/11/09 11:21	Load on Instrument
JA31420-17.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-17.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-17.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-17.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-17.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-17.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-17.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-17.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-17.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-17.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-17.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-17.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-17.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-17.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-17.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-17.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-17.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-17.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-18.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-18.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-18.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-18.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-18.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-18.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-18.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-18.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-18.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-18.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-18.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-18.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-18.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-18.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-18.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-18.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-18.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-18.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-18.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-18.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-18.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-18.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-18.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-18.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-18.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-18.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-18.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-18.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-18.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-18.1
JA31420-18.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-18.1
JA31420-18.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-18.1.1	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-18.1.1	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-18.1.1	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-18.1.1	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-18.1.1	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-18.1.1	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-18.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-18.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-18.1
JA31420-18.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-18.1
JA31420-18.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-18.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-18.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-18.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-18.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-18.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-18.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-18.1
JA31420-18.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-18.1
JA31420-18.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-18.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-18.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-18.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-18.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-18.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-18.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-18.1
JA31420-18.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-18.1
JA31420-18.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-18.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-18.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-18.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-18.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-18.1
JA31420-18.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-18.1
JA31420-18.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-18.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-18.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-18.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-18.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-18.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-18.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-18.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-18.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-18.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-18.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-18.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-18.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-18.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-18.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-18.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-18.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-18.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-18.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-18.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-18.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-19.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-19.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-19.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-19.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-19.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-19.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-19.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-19.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-19.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-19.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-19.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-19.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-19.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-19.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-19.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-19.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-19.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-19.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-19.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-19.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-19.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-19.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-19.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-19.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-19.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-19.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-19.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-19.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-19.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-19.1
JA31420-19.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-19.1
JA31420-19.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-19.1.1	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-19.1.1	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-19.1.1	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-19.1.1	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-19.1.1	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-19.1.1	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-19.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-19.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-19.1
JA31420-19.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-19.1
JA31420-19.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-19.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-19.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-19.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-19.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-19.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-19.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-19.1
JA31420-19.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-19.1
JA31420-19.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-19.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-19.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-19.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-19.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage
JA31420-19.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-19.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-19.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-19.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-19.1
JA31420-19.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-19.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-19.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-19.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-19.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-19.1
JA31420-19.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-19.1
JA31420-19.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-19.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-19.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-19.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-19.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-19.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-19.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-19.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-19.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-19.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-19.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-19.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-19.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-19.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-19.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-19.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-19.5	Secured Storage	Jianhua Li	11/10/09 13:26	Retrieve from Storage
JA31420-19.5	Jianhua Li	GCMSV	11/10/09 13:26	Load on Instrument
JA31420-19.5	GCMSV	Jianhua Li	11/12/09 10:16	Unload from Instrument
JA31420-19.5	Jianhua Li		11/12/09 10:16	Depleted
JA31420-20.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-20.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-20.1	Secured Storage	Todd Shoemaker	10/30/09 08:43	Retrieve from Storage
JA31420-20.1	Todd Shoemaker	Nirali Patel	10/30/09 08:45	Custody Transfer
JA31420-20.1	Nirali Patel	Secured Storage	10/30/09 17:03	Return to Storage
JA31420-20.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-20.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-20.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-20.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-20.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-20.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-20.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-20.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-20.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-20.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-20.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-20.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-20.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-20.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-20.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-20.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-20.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-20.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-20.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-20.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-20.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-20.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-20.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-20.1.1	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-20.1
JA31420-20.1.1	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-20.1
JA31420-20.1.1	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-20.1.1	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-20.1.1	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-20.1.1	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-20.1.1	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-20.1.1	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-20.1.1	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-20.1.1	Extract Freezer		12/11/09 09:00	Disposed
JA31420-20.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-20.1
JA31420-20.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-20.1
JA31420-20.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-20.1.2	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-20.1.2	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-20.1.2	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-20.1.2	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-20.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-20.1.3	Funmilayo Ogundare	Organics Prep	11/03/09 09:15	Extract from JA31420-20.1
JA31420-20.1.3	Organics Prep	Funmilayo Ogundare	11/03/09 13:27	Extract from JA31420-20.1
JA31420-20.1.3	Funmilayo Ogundare	Extract Storage	11/03/09 13:27	Return to Storage
JA31420-20.1.3	Extract Storage	Vanessa Nicholls	11/10/09 09:46	Retrieve from Storage
JA31420-20.1.3	Vanessa Nicholls	GCMSZ	11/10/09 09:46	Load on Instrument
JA31420-20.1.3	GCMSZ	Vanessa Nicholls	11/10/09 14:28	Unload from Instrument
JA31420-20.1.3	Vanessa Nicholls	Extract Freezer	11/10/09 14:28	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-20.1.3	Extract Freezer		12/14/09 09:00	Disposed
JA31420-20.1.4	Rinku Patel	Metals Digestion	11/09/09 10:36	Digestate from JA31420-20.1
JA31420-20.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:37	Digestate from JA31420-20.1
JA31420-20.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:37	Return to Storage
JA31420-20.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-20.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-20.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-20.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-20.1
JA31420-20.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-20.1
JA31420-20.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-20.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-20.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-20.1.5	GC2G	Jennifer Elliott	11/16/09 11:03	Unload from Instrument
JA31420-20.1.5	Jennifer Elliott	Extract Freezer	11/16/09 11:03	Return to Storage
JA31420-20.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-20.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-20.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-20.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-20.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-20.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-20.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-20.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-20.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-20.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-20.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-20.5	Secured Storage	Jianhua Li	11/10/09 13:26	Retrieve from Storage
JA31420-20.5	Jianhua Li	GCMSV	11/10/09 13:26	Load on Instrument
JA31420-20.5	GCMSV	Jianhua Li	11/12/09 10:16	Unload from Instrument
JA31420-20.5	Jianhua Li		11/12/09 10:16	Depleted
JA31420-21.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-21.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-21.1	Secured Storage	William M. Chou	10/29/09 16:14	Retrieve from Storage
JA31420-21.1	William M. Chou	Secured Storage	10/29/09 17:09	Return to Storage
JA31420-21.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-21.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-21.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-21.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-21.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-21.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-21.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-21.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-21.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-21.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-21.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-21.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-21.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-21.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-21.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-21.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-21.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-21.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-21.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-21.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-21.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-21.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-21.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-21.1.1	William M. Chou	Organics Prep	10/29/09 16:14	Extract from JA31420-21.1
JA31420-21.1.1	Organics Prep	William M. Chou	10/29/09 21:04	Extract from JA31420-21.1
JA31420-21.1.1	William M. Chou	Extract Storage	10/29/09 21:04	Return to Storage
JA31420-21.1.1	Extract Storage	Nina Pandya	11/05/09 09:37	Retrieve from Storage
JA31420-21.1.1	Nina Pandya	GCMSP	11/05/09 09:37	Load on Instrument
JA31420-21.1.1	GCMSP	Nina Pandya	11/17/09 12:30	Unload from Instrument
JA31420-21.1.1	Nina Pandya	Extract Freezer	11/17/09 12:30	Return to Storage
JA31420-21.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-21.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-21.1
JA31420-21.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-21.1
JA31420-21.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-21.1.2	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-21.1.2	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-21.1.2	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-21.1.2	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-21.1.2	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-21.1.2	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-21.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-21.1.3	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-21.1
JA31420-21.1.3	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-21.1
JA31420-21.1.3	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-21.1.3	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-21.1.3	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-21.1.3	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-21.1.3	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-21.1.3	Extract Freezer		12/11/09 09:00	Disposed
JA31420-21.1.4	Rinku Patel	Metals Digestion	11/09/09 10:34	Digestate from JA31420-21.1
JA31420-21.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:35	Digestate from JA31420-21.1
JA31420-21.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:35	Return to Storage
JA31420-21.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-21.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-21.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-21.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-21.1
JA31420-21.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-21.1
JA31420-21.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-21.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-21.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-21.1.5	GC2G	Jennifer Elliott	11/12/09 10:34	Unload from Instrument
JA31420-21.1.5	Jennifer Elliott	GCXX	11/12/09 10:34	Load on Instrument
JA31420-21.1.5	GCXX	Jennifer Elliott	11/13/09 17:06	Unload from Instrument
JA31420-21.1.5	Jennifer Elliott	Extract Freezer	11/13/09 17:06	Return to Storage
JA31420-21.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-21.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-21.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-21.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-21.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-21.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-21.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-21.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-21.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-21.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-21.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-21.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-21.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-21.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-21.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-21.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-22.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-22.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-22.1	Secured Storage	William M. Chou	10/29/09 16:14	Retrieve from Storage
JA31420-22.1	William M. Chou	Secured Storage	10/29/09 17:09	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-22.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-22.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-22.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-22.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-22.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-22.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-22.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-22.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-22.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-22.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-22.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-22.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-22.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-22.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-22.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-22.1	Secured Storage	Rinku Patel	11/09/09 10:35	Retrieve from Storage
JA31420-22.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-22.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-22.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-22.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-22.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-22.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-22.1.1	William M. Chou	Organics Prep	10/29/09 16:14	Extract from JA31420-22.1
JA31420-22.1.1	Organics Prep	William M. Chou	10/29/09 21:04	Extract from JA31420-22.1
JA31420-22.1.1	William M. Chou	Extract Storage	10/29/09 21:04	Return to Storage
JA31420-22.1.1	Extract Storage	Nina Pandya	11/05/09 09:37	Retrieve from Storage
JA31420-22.1.1	Nina Pandya	GCMSP	11/05/09 09:37	Load on Instrument
JA31420-22.1.1	GCMSP	Nina Pandya	11/17/09 12:30	Unload from Instrument
JA31420-22.1.1	Nina Pandya	Extract Freezer	11/17/09 12:30	Return to Storage
JA31420-22.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-22.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-22.1
JA31420-22.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-22.1
JA31420-22.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-22.1.2	Extract Storage	Jennifer Elliott	11/04/09 17:24	Retrieve from Storage
JA31420-22.1.2	Jennifer Elliott	GCXX	11/04/09 17:24	Load on Instrument
JA31420-22.1.2	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-22.1.2	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-22.1.2	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-22.1.2	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-22.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-22.1.3	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-22.1

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-22.1.3	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-22.1
JA31420-22.1.3	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-22.1.3	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-22.1.3	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-22.1.3	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-22.1.3	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-22.1.3	Extract Freezer		12/11/09 09:00	Disposed
JA31420-22.1.4	Rinku Patel	Metals Digestion	11/09/09 10:35	Digestate from JA31420-22.1
JA31420-22.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:35	Digestate from JA31420-22.1
JA31420-22.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:35	Return to Storage
JA31420-22.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-22.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-22.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-22.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-22.1
JA31420-22.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-22.1
JA31420-22.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-22.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-22.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-22.1.5	GC2G	Jennifer Elliott	11/12/09 10:34	Unload from Instrument
JA31420-22.1.5	Jennifer Elliott	GCXX	11/12/09 10:34	Load on Instrument
JA31420-22.1.5	GCXX	Jennifer Elliott	11/13/09 17:06	Unload from Instrument
JA31420-22.1.5	Jennifer Elliott	Extract Freezer	11/13/09 17:06	Return to Storage
JA31420-22.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-22.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-22.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-22.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-22.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-22.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-22.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-22.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-22.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-22.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-22.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-22.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-22.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-22.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-22.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-22.5	Dave Hunkele		12/15/09 07:01	Disposed

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-23.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-23.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-23.1	Secured Storage	William M. Chou	10/29/09 16:14	Retrieve from Storage
JA31420-23.1	William M. Chou	Secured Storage	10/29/09 17:09	Return to Storage
JA31420-23.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-23.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-23.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-23.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-23.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-23.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-23.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-23.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-23.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-23.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-23.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-23.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-23.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-23.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-23.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-23.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-23.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-23.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-23.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-23.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-23.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-23.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-23.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-23.1.1	William M. Chou	Organics Prep	10/29/09 16:14	Extract from JA31420-23.1
JA31420-23.1.1	Organics Prep	William M. Chou	10/29/09 21:04	Extract from JA31420-23.1
JA31420-23.1.1	William M. Chou	Extract Storage	10/29/09 21:04	Return to Storage
JA31420-23.1.1	Extract Storage	Nina Pandya	11/06/09 13:08	Retrieve from Storage
JA31420-23.1.1	Nina Pandya	GCMSP	11/06/09 13:08	Load on Instrument
JA31420-23.1.1	GCMSP	Nina Pandya	11/17/09 12:30	Unload from Instrument
JA31420-23.1.1	Nina Pandya	Extract Freezer	11/17/09 12:30	Return to Storage
JA31420-23.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-23.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-23.1
JA31420-23.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-23.1
JA31420-23.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-23.1.2	Extract Storage	Jennifer Elliott	11/05/09 17:01	Retrieve from Storage
JA31420-23.1.2	Jennifer Elliott	GCXX	11/05/09 17:01	Load on Instrument
JA31420-23.1.2	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-23.1.2	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-23.1.2	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-23.1.2	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-23.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-23.1.3	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-23.1
JA31420-23.1.3	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-23.1
JA31420-23.1.3	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-23.1.3	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-23.1.3	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-23.1.3	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-23.1.3	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-23.1.3	Extract Freezer		12/11/09 09:00	Disposed
JA31420-23.1.4	Rinku Patel	Metals Digestion	11/09/09 10:34	Digestate from JA31420-23.1
JA31420-23.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:35	Digestate from JA31420-23.1
JA31420-23.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:35	Return to Storage
JA31420-23.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-23.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-23.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-23.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-23.1
JA31420-23.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-23.1
JA31420-23.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-23.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-23.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-23.1.5	GC2G	Jennifer Elliott	11/12/09 10:34	Unload from Instrument
JA31420-23.1.5	Jennifer Elliott	GCXX	11/12/09 10:34	Load on Instrument
JA31420-23.1.5	GCXX	Jennifer Elliott	11/13/09 17:06	Unload from Instrument
JA31420-23.1.5	Jennifer Elliott	Extract Freezer	11/13/09 17:06	Return to Storage
JA31420-23.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-23.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-23.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-23.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-23.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-23.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-23.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-23.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-23.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-23.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-23.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-23.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-23.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-23.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-23.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-23.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-24.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-24.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-24.1	Secured Storage	William M. Chou	10/29/09 16:14	Retrieve from Storage
JA31420-24.1	William M. Chou	Secured Storage	10/29/09 17:09	Return to Storage
JA31420-24.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-24.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-24.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-24.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-24.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-24.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-24.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-24.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-24.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-24.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-24.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-24.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-24.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-24.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-24.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-24.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-24.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-24.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-24.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-24.1	Secured Storage	Adam Scott	11/10/09 09:37	Retrieve from Storage
JA31420-24.1	Adam Scott	Dipa Patel	11/10/09 09:39	Custody Transfer
JA31420-24.1	Dipa Patel	Secured Storage	11/10/09 11:16	Return to Storage
JA31420-24.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-24.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-24.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-24.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-24.1.1	William M. Chou	Organics Prep	10/29/09 16:14	Extract from JA31420-24.1
JA31420-24.1.1	Organics Prep	William M. Chou	10/29/09 21:04	Extract from JA31420-24.1
JA31420-24.1.1	William M. Chou	Extract Storage	10/29/09 21:04	Return to Storage
JA31420-24.1.1	Extract Storage	Nina Pandya	11/06/09 13:08	Retrieve from Storage
JA31420-24.1.1	Nina Pandya	GCMSP	11/06/09 13:08	Load on Instrument
JA31420-24.1.1	GCMSP	Nina Pandya	11/17/09 12:30	Unload from Instrument
JA31420-24.1.1	Nina Pandya	Extract Freezer	11/17/09 12:30	Return to Storage
JA31420-24.1.1	Extract Freezer		12/09/09 09:00	Disposed

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-24.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-24.1
JA31420-24.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-24.1
JA31420-24.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-24.1.2	Extract Storage	Jennifer Elliott	11/05/09 17:01	Retrieve from Storage
JA31420-24.1.2	Jennifer Elliott	GCXX	11/05/09 17:01	Load on Instrument
JA31420-24.1.2	GCXX	Jennifer Elliott	11/09/09 16:59	Unload from Instrument
JA31420-24.1.2	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-24.1.2	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-24.1.2	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-24.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-24.1.3	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-24.1
JA31420-24.1.3	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-24.1
JA31420-24.1.3	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-24.1.3	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-24.1.3	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-24.1.3	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-24.1.3	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-24.1.3	Extract Freezer		12/11/09 09:00	Disposed
JA31420-24.1.4	Rinku Patel	Metals Digestion	11/09/09 10:34	Digestate from JA31420-24.1
JA31420-24.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:35	Digestate from JA31420-24.1
JA31420-24.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:35	Return to Storage
JA31420-24.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-24.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-24.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-24.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-24.1
JA31420-24.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-24.1
JA31420-24.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-24.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-24.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-24.1.5	GC2G	Jennifer Elliott	11/12/09 10:34	Unload from Instrument
JA31420-24.1.5	Jennifer Elliott	GCXX	11/12/09 10:34	Load on Instrument
JA31420-24.1.5	GCXX	Jennifer Elliott	11/13/09 17:06	Unload from Instrument
JA31420-24.1.5	Jennifer Elliott	Extract Freezer	11/13/09 17:06	Return to Storage
JA31420-24.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-24.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-24.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-24.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-24.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-24.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-24.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-24.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-24.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-24.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-24.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-24.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-24.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-24.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-24.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-24.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-25.1	Secured Storage	Gwendolyn Dymowski	10/29/09 07:56	Retrieve from Storage
JA31420-25.1	Gwendolyn Dymowski	Secured Storage	10/29/09 11:47	Return to Storage
JA31420-25.1	Secured Storage	William M. Chou	10/29/09 16:14	Retrieve from Storage
JA31420-25.1	William M. Chou	Secured Storage	10/29/09 17:09	Return to Storage
JA31420-25.1	Secured Storage	John Thomas	10/31/09 06:50	Retrieve from Storage
JA31420-25.1	John Thomas	Funmilayo Ogundare	10/31/09 07:15	Custody Transfer
JA31420-25.1	Funmilayo Ogundare	Secured Storage	10/31/09 12:28	Return to Storage
JA31420-25.1	Secured Storage	Todd Shoemaker	11/02/09 09:25	Retrieve from Storage
JA31420-25.1	Todd Shoemaker	Xu Liu	11/02/09 09:26	Custody Transfer
JA31420-25.1	Xu Liu	Secured Storage	11/02/09 15:58	Return to Storage
JA31420-25.1	Secured Storage	Reginald Saint-Juste	11/03/09 08:20	Retrieve from Storage
JA31420-25.1	Reginald Saint-Juste	Funmilayo Ogundare	11/03/09 09:08	Custody Transfer
JA31420-25.1	Funmilayo Ogundare	Secured Storage	11/03/09 12:43	Return to Storage
JA31420-25.1	Secured Storage	John Thomas	11/04/09 15:09	Retrieve from Storage
JA31420-25.1	John Thomas	Nirali Patel	11/04/09 15:10	Custody Transfer
JA31420-25.1	Nirali Patel	Secured Storage	11/04/09 16:11	Return to Storage
JA31420-25.1	Secured Storage	Todd Shoemaker	11/05/09 08:58	Retrieve from Storage
JA31420-25.1	Todd Shoemaker	Donna DiGiovanni	11/05/09 09:01	Custody Transfer
JA31420-25.1	Donna DiGiovanni	Secured Storage	11/05/09 14:49	Return to Storage
JA31420-25.1	Secured Storage	Adam Scott	11/09/09 08:37	Retrieve from Storage
JA31420-25.1	Adam Scott	Rinku Patel	11/09/09 08:39	Custody Transfer
JA31420-25.1	Rinku Patel	Rakesh Pathak	11/09/09 11:16	Custody Transfer
JA31420-25.1	Rakesh Pathak	Secured Storage	11/09/09 17:39	Return to Storage
JA31420-25.1	Secured Storage	Adam Scott	11/10/09 12:10	Retrieve from Storage
JA31420-25.1	Adam Scott	Gwendolyn Dymowski	11/10/09 12:13	Custody Transfer
JA31420-25.1	Gwendolyn Dymowski	Secured Storage	11/10/09 15:13	Return to Storage
JA31420-25.1	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-25.1.1	William M. Chou	Organics Prep	10/29/09 16:14	Extract from JA31420-25.1
JA31420-25.1.1	Organics Prep	William M. Chou	10/29/09 21:04	Extract from JA31420-25.1
JA31420-25.1.1	William M. Chou	Extract Storage	10/29/09 21:04	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-25.1.1	Extract Storage	Nina Pandya	11/06/09 13:08	Retrieve from Storage
JA31420-25.1.1	Nina Pandya	GCMSP	11/06/09 13:08	Load on Instrument
JA31420-25.1.1	GCMSP	Nina Pandya	11/17/09 12:30	Unload from Instrument
JA31420-25.1.1	Nina Pandya	Extract Freezer	11/17/09 12:30	Return to Storage
JA31420-25.1.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-25.1.2	Funmilayo Ogundare	Organics Prep	10/31/09 07:21	Extract from JA31420-25.1
JA31420-25.1.2	Organics Prep	Funmilayo Ogundare	10/31/09 15:53	Extract from JA31420-25.1
JA31420-25.1.2	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-25.1.2	Extract Storage	Jennifer Elliott	11/09/09 16:59	Retrieve from Storage
JA31420-25.1.2	Jennifer Elliott	GC2G	11/09/09 16:59	Load on Instrument
JA31420-25.1.2	GC2G	Jennifer Elliott	11/10/09 11:15	Unload from Instrument
JA31420-25.1.2	Jennifer Elliott	Extract Freezer	11/10/09 11:15	Return to Storage
JA31420-25.1.2	Extract Freezer		12/11/09 09:00	Disposed
JA31420-25.1.3	Funmilayo Ogundare	Organics Prep	10/31/09 07:22	Extract from JA31420-25.1
JA31420-25.1.3	Organics Prep	Funmilayo Ogundare	10/31/09 15:54	Extract from JA31420-25.1
JA31420-25.1.3	Funmilayo Ogundare	Extract Storage	10/31/09 15:54	Return to Storage
JA31420-25.1.3	Extract Storage	Jennifer Elliott	11/02/09 13:34	Retrieve from Storage
JA31420-25.1.3	Jennifer Elliott	GCAB	11/02/09 13:34	Load on Instrument
JA31420-25.1.3	GCAB	Jennifer Elliott	11/03/09 11:06	Unload from Instrument
JA31420-25.1.3	Jennifer Elliott	Extract Freezer	11/03/09 11:06	Return to Storage
JA31420-25.1.3	Extract Freezer		12/11/09 09:00	Disposed
JA31420-25.1.4	Rinku Patel	Metals Digestion	11/09/09 10:34	Digestate from JA31420-25.1
JA31420-25.1.4	Metals Digestion	Darshananben Patel	11/09/09 10:35	Digestate from JA31420-25.1
JA31420-25.1.4	Darshananben Patel	Metals Digestate Storage	11/09/09 10:35	Return to Storage
JA31420-25.1.4	Metals Digestate Storage	Nancy Duan	11/10/09 08:29	Retrieve from Storage
JA31420-25.1.4	Nancy Duan	Metals Digestate Storage	11/10/09 08:33	Return to Storage
JA31420-25.1.4	Metals Digestate Storage		01/18/10 09:00	Disposed
JA31420-25.1.5	Gwendolyn Dymowski	Organics Prep	11/10/09 12:13	Extract from JA31420-25.1
JA31420-25.1.5	Organics Prep	Gwendolyn Dymowski	11/10/09 15:48	Extract from JA31420-25.1
JA31420-25.1.5	Gwendolyn Dymowski	Extract Storage	11/10/09 15:48	Return to Storage
JA31420-25.1.5	Extract Storage	Jennifer Elliott	11/11/09 11:20	Retrieve from Storage
JA31420-25.1.5	Jennifer Elliott	GC2G	11/11/09 11:20	Load on Instrument
JA31420-25.1.5	GC2G	Jennifer Elliott	11/12/09 10:34	Unload from Instrument
JA31420-25.1.5	Jennifer Elliott	GCXX	11/12/09 10:34	Load on Instrument
JA31420-25.1.5	GCXX	Jennifer Elliott	11/13/09 17:06	Unload from Instrument
JA31420-25.1.5	Jennifer Elliott	Extract Freezer	11/13/09 17:06	Return to Storage
JA31420-25.1.5	Extract Freezer		12/21/09 09:00	Disposed
JA31420-25.3	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-25.3	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-25.3	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-25.4	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-25.4	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-25.4	Secured Storage	Dipa Patel	11/06/09 18:00	Retrieve from Storage
JA31420-25.4	Dipa Patel	VOA Prep Storage	11/06/09 18:01	Return to Storage
JA31420-25.4	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-25.5	Secured Storage	Jayna Patel	10/28/09 08:56	Retrieve from Storage
JA31420-25.5	Jayna Patel	Secured Storage	10/28/09 09:46	Return to Storage
JA31420-25.5	Secured Storage	Dipa Patel	11/09/09 11:52	Retrieve from Storage
JA31420-25.5	Dipa Patel	GCMS3C	11/09/09 11:52	Load on Instrument
JA31420-25.5	GCMS3C	Dipa Patel	11/10/09 15:27	Unload from Instrument
JA31420-25.5	Dipa Patel	Secured Storage	11/10/09 15:27	Return to Storage
JA31420-25.5	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-26.1	Secured Storage	Reginald Saint-Juste	10/30/09 12:46	Retrieve from Storage
JA31420-26.1	Reginald Saint-Juste		10/30/09 16:38	Depleted
JA31420-26.1.1	Reginald Saint-Juste	Organics Prep	10/30/09 12:46	Extract from JA31420-26.1
JA31420-26.1.1	Organics Prep	Reginald Saint-Juste	10/30/09 16:36	Extract from JA31420-26.1
JA31420-26.1.1	Reginald Saint-Juste	Extract Storage	10/30/09 16:36	Return to Storage
JA31420-26.1.1	Extract Storage	Olga Azarihn	11/10/09 16:31	Retrieve from Storage
JA31420-26.1.1	Olga Azarihn	GCMS3E	11/10/09 16:31	Load on Instrument
JA31420-26.1.1	GCMS3E	Olga Azarihn	11/12/09 09:32	Unload from Instrument
JA31420-26.1.1	Olga Azarihn	Extract Freezer	11/12/09 09:32	Return to Storage
JA31420-26.1.1	Extract Freezer		12/10/09 09:00	Disposed
JA31420-26.3	Secured Storage	George Paunovski	10/29/09 15:18	Retrieve from Storage
JA31420-26.3	George Paunovski		10/30/09 00:19	Depleted
JA31420-26.3.1	George Paunovski	Organics Prep	10/29/09 16:00	Extract from JA31420-26.3
JA31420-26.3.1	Organics Prep	George Paunovski	10/29/09 23:27	Extract from JA31420-26.3
JA31420-26.3.1	George Paunovski	Extract Storage	10/29/09 23:27	Return to Storage
JA31420-26.3.1	Extract Storage	Jennifer Elliott	10/30/09 16:32	Retrieve from Storage
JA31420-26.3.1	Jennifer Elliott	GCAB	10/30/09 16:32	Load on Instrument
JA31420-26.3.1	GCAB	Jennifer Elliott	11/02/09 08:57	Unload from Instrument
JA31420-26.3.1	Jennifer Elliott	Extract Freezer	11/02/09 08:57	Return to Storage
JA31420-26.3.1	Extract Freezer		12/09/09 09:00	Disposed
JA31420-26.3.2	George Paunovski	Organics Prep	10/29/09 16:01	Extract from JA31420-26.3
JA31420-26.3.2	Organics Prep	George Paunovski	10/29/09 23:27	Extract from JA31420-26.3
JA31420-26.3.2	George Paunovski	Extract Storage	10/29/09 23:27	Return to Storage
JA31420-26.3.2	Extract Storage	Toya Dagena Raffington	10/30/09 10:04	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ
Received: 10/27/09

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA31420-26.3.2	Toya Dagena Raffington	GC3G	10/30/09 10:04	Load on Instrument
JA31420-26.3.2	GC3G	Owen McKenna	11/02/09 10:54	Unload from Instrument
JA31420-26.3.2	Owen McKenna	Extract Freezer	11/02/09 10:54	Return to Storage
JA31420-26.3.2	Extract Freezer		12/09/09 09:00	Disposed
JA31420-26.9	Secured Storage	Adam Scott	11/06/09 08:04	Retrieve from Storage
JA31420-26.9	Adam Scott	Rinku Patel	11/06/09 08:05	Custody Transfer
JA31420-26.9	Rinku Patel	Beatrice Marcelino	11/06/09 12:35	Custody Transfer
JA31420-26.9	Beatrice Marcelino	Secured Storage	11/06/09 16:08	Return to Storage
JA31420-26.9	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-26.9.1	Rinku Patel	Jieyu Wang	11/06/09 12:26	Aliquot from JA31420-26.9
JA31420-26.9.1	Jieyu Wang		11/06/09 12:27	Depleted
JA31420-26.9.2	Rinku Patel	Metals Digestion	11/06/09 12:27	Digestate from JA31420-26.9
JA31420-26.9.2	Metals Digestion	Rinku Patel	11/06/09 12:32	Digestate from JA31420-26.9
JA31420-26.9.2	Rinku Patel	Metals Digestate Storage	11/06/09 12:32	Return to Storage
JA31420-26.9.2	Metals Digestate Storage	Gulcag Temizau	11/09/09 16:10	Retrieve from Storage
JA31420-26.9.2	Gulcag Temizau	Metals Digestate Storage	11/09/09 16:11	Return to Storage
JA31420-26.9.2	Metals Digestate Storage		01/13/10 09:00	Disposed
JA31420-26.10	Secured Storage	Adam Scott	11/06/09 11:18	Retrieve from Storage
JA31420-26.10	Adam Scott	Rakesh Pathak	11/06/09 11:22	Custody Transfer
JA31420-26.10	Rakesh Pathak	Secured Storage	11/06/09 17:09	Return to Storage
JA31420-26.10	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-26.11	Secured Storage	Millicent Walker	11/03/09 18:21	Retrieve from Storage
JA31420-26.11	Millicent Walker	Secured Storage	11/03/09 22:10	Return to Storage
JA31420-26.11	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-26.16	Secured Storage	Juntae Park	11/05/09 16:34	Retrieve from Storage
JA31420-26.16	Juntae Park	GCMSU	11/05/09 16:34	Load on Instrument
JA31420-26.16	GCMSU	Juntae Park	11/06/09 11:53	Unload from Instrument
JA31420-26.16	Juntae Park	Secured Storage	11/06/09 11:53	Return to Storage
JA31420-26.16	Dave Hunkele		12/15/09 07:01	Disposed
JA31420-27.1	Secured Storage	Juntae Park	11/05/09 16:34	Retrieve from Storage
JA31420-27.1	Juntae Park	GCMSU	11/05/09 16:34	Load on Instrument
JA31420-27.1	GCMSU	Juntae Park	11/06/09 11:53	Unload from Instrument
JA31420-27.1	Juntae Park	Secured Storage	11/06/09 11:53	Return to Storage
JA31420-27.1	Dave Hunkele		12/15/09 07:01	Disposed

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU4950-MB	U124529.D	1	11/05/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU4950-MB	U124529.D	1	11/05/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	76-120%
17060-07-0	1,2-Dichloroethane-D4	100%	64-135%
2037-26-5	Toluene-D8	93%	76-117%
460-00-4	4-Bromofluorobenzene	91%	72-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-MB1	3C56559.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.1	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-MB1	3C56559.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	65-132%
2037-26-5	Toluene-D8	105%	74-129%
460-00-4	4-Bromofluorobenzene	93%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2494-MB1	3C56607.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.1	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2494-MB1	3C56607.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	67-127%
17060-07-0	1,2-Dichloroethane-D4	107%	65-132%
2037-26-5	Toluene-D8	104%	74-129%
460-00-4	4-Bromofluorobenzene	95%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV4010-MB1	V96704.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.1	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV4010-MB1	V96704.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	67-127%
17060-07-0	1,2-Dichloroethane-D4	74%	65-132%
2037-26-5	Toluene-D8	94%	74-129%
460-00-4	4-Bromofluorobenzene	73%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-MB2	3C56605.D	1	11/09/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-4MS

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.1	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-MB2	3C56605.D	1	11/09/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-4MS

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	67-127%
17060-07-0	1,2-Dichloroethane-D4	110%	65-132%
2037-26-5	Toluene-D8	103%	74-129%
460-00-4	4-Bromofluorobenzene	95%	62-138%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU4950-BS	U124530.D	1	11/05/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	48.9	98	51-151
71-43-2	Benzene	50	46.3	93	75-122
75-27-4	Bromodichloromethane	50	50.6	101	77-128
75-25-2	Bromoform	50	48.1	96	67-141
74-83-9	Bromomethane	50	64.3	129	53-152
78-93-3	2-Butanone (MEK)	50	44.6	89	64-130
75-15-0	Carbon disulfide	50	44.8	90	59-140
56-23-5	Carbon tetrachloride	50	52.2	104	75-148
108-90-7	Chlorobenzene	50	46.9	94	76-124
75-00-3	Chloroethane	50	62.0	124	54-147
67-66-3	Chloroform	50	50.2	100	77-124
74-87-3	Chloromethane	50	61.5	123	46-144
124-48-1	Dibromochloromethane	50	46.1	92	76-132
75-34-3	1,1-Dichloroethane	50	49.7	99	72-124
107-06-2	1,2-Dichloroethane	50	48.7	97	66-150
75-35-4	1,1-Dichloroethene	50	49.7	99	61-132
156-59-2	cis-1,2-Dichloroethene	50	49.5	99	71-119
156-60-5	trans-1,2-Dichloroethene	50	48.4	97	71-123
540-59-0	1,2-Dichloroethene (total)	100	97.9	98	71-121
78-87-5	1,2-Dichloropropane	50	47.3	95	75-120
10061-01-5	cis-1,3-Dichloropropene	50	47.1	94	77-124
10061-02-6	trans-1,3-Dichloropropene	50	53.0	106	75-132
100-41-4	Ethylbenzene	50	45.0	90	77-124
591-78-6	2-Hexanone	50	45.1	90	58-136
108-10-1	4-Methyl-2-pentanone(MIBK)	50	44.1	88	63-135
75-09-2	Methylene chloride	50	43.9	88	69-122
100-42-5	Styrene	50	47.7	95	78-126
79-34-5	1,1,2,2-Tetrachloroethane	50	43.2	86	66-125
127-18-4	Tetrachloroethene	50	47.6	95	70-136
108-88-3	Toluene	50	51.4	103	76-126
71-55-6	1,1,1-Trichloroethane	50	52.5	105	77-136
79-00-5	1,1,2-Trichloroethane	50	49.1	98	75-123
79-01-6	Trichloroethene	50	47.8	96	79-126
75-01-4	Vinyl chloride	50	64.0	128	56-146
1330-20-7	Xylene (total)	150	142	95	77-125

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU4950-BS	U124530.D	1	11/05/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	76-120%
17060-07-0	1,2-Dichloroethane-D4	100%	64-135%
2037-26-5	Toluene-D8	102%	76-117%
460-00-4	4-Bromofluorobenzene	89%	72-122%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-BS	3C56560.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	35.5	71	45-168
71-43-2	Benzene	50	47.2	94	78-120
75-27-4	Bromodichloromethane	50	56.0	112	76-129
75-25-2	Bromoform	50	53.0	106	70-141
74-83-9	Bromomethane	50	52.8	106	57-142
78-93-3	2-Butanone (MEK)	50	44.0	88	59-140
75-15-0	Carbon disulfide	50	44.7	89	64-140
56-23-5	Carbon tetrachloride	50	52.7	105	66-151
108-90-7	Chlorobenzene	50	46.8	94	80-117
75-00-3	Chloroethane	50	46.0	92	60-142
67-66-3	Chloroform	50	52.0	104	75-122
74-87-3	Chloromethane	50	44.0	88	56-140
124-48-1	Dibromochloromethane	50	49.0	98	76-136
75-34-3	1,1-Dichloroethane	50	52.7	105	73-124
107-06-2	1,2-Dichloroethane	50	52.6	105	75-137
75-35-4	1,1-Dichloroethene	50	45.6	91	66-130
156-59-2	cis-1,2-Dichloroethene	50	46.2	92	73-121
156-60-5	trans-1,2-Dichloroethene	50	44.8	90	74-123
540-59-0	1,2-Dichloroethene (total)	100	91.0	91	74-121
78-87-5	1,2-Dichloropropane	50	50.0	100	78-121
10061-01-5	cis-1,3-Dichloropropene	50	55.2	110	81-124
10061-02-6	trans-1,3-Dichloropropene	50	58.9	118	78-130
100-41-4	Ethylbenzene	50	46.4	93	81-121
591-78-6	2-Hexanone	50	48.7	97	56-147
108-10-1	4-Methyl-2-pentanone(MIBK)	50	57.3	115	64-142
75-09-2	Methylene chloride	50	44.3	89	69-123
100-42-5	Styrene	50	51.1	102	79-127
79-34-5	1,1,2,2-Tetrachloroethane	50	43.9	88	71-123
127-18-4	Tetrachloroethene	50	45.1	90	73-134
108-88-3	Toluene	50	51.7	103	79-122
71-55-6	1,1,1-Trichloroethane	50	52.5	105	72-136
79-00-5	1,1,2-Trichloroethane	50	55.2	110	76-123
79-01-6	Trichloroethene	50	46.6	93	80-124
75-01-4	Vinyl chloride	50	46.6	93	59-145
1330-20-7	Xylene (total)	150	141	94	80-121

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2492-BS	3C56560.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	111%	67-127%
17060-07-0	1,2-Dichloroethane-D4	113%	65-132%
2037-26-5	Toluene-D8	120%	74-129%
460-00-4	4-Bromofluorobenzene	98%	62-138%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2494-BS	3C56608.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	39.3	79	45-168
71-43-2	Benzene	50	46.8	94	78-120
75-27-4	Bromodichloromethane	50	55.3	111	76-129
75-25-2	Bromoform	50	56.3	113	70-141
74-83-9	Bromomethane	50	48.4	97	57-142
78-93-3	2-Butanone (MEK)	50	51.3	103	59-140
75-15-0	Carbon disulfide	50	43.5	87	64-140
56-23-5	Carbon tetrachloride	50	52.4	105	66-151
108-90-7	Chlorobenzene	50	42.4	85	80-117
75-00-3	Chloroethane	50	42.8	86	60-142
67-66-3	Chloroform	50	50.3	101	75-122
74-87-3	Chloromethane	50	40.2	80	56-140
124-48-1	Dibromochloromethane	50	50.2	100	76-136
75-34-3	1,1-Dichloroethane	50	52.1	104	73-124
107-06-2	1,2-Dichloroethane	50	53.0	106	75-137
75-35-4	1,1-Dichloroethene	50	44.7	89	66-130
156-59-2	cis-1,2-Dichloroethene	50	44.9	90	73-121
156-60-5	trans-1,2-Dichloroethene	50	43.2	86	74-123
540-59-0	1,2-Dichloroethene (total)	100	88.2	88	74-121
78-87-5	1,2-Dichloropropane	50	48.9	98	78-121
10061-01-5	cis-1,3-Dichloropropene	50	53.9	108	81-124
10061-02-6	trans-1,3-Dichloropropene	50	57.6	115	78-130
100-41-4	Ethylbenzene	50	42.2	84	81-121
591-78-6	2-Hexanone	50	53.6	107	56-147
108-10-1	4-Methyl-2-pentanone(MIBK)	50	62.0	124	64-142
75-09-2	Methylene chloride	50	43.6	87	69-123
100-42-5	Styrene	50	45.5	91	79-127
79-34-5	1,1,2,2-Tetrachloroethane	50	48.3	97	71-123
127-18-4	Tetrachloroethene	50	38.9	78	73-134
108-88-3	Toluene	50	48.1	96	79-122
71-55-6	1,1,1-Trichloroethane	50	52.5	105	72-136
79-00-5	1,1,2-Trichloroethane	50	54.8	110	76-123
79-01-6	Trichloroethene	50	43.3	87	80-124
75-01-4	Vinyl chloride	50	42.3	85	59-145
1330-20-7	Xylene (total)	150	126	84	80-121

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2494-BS	3C56608.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	67-127%
17060-07-0	1,2-Dichloroethane-D4	104%	65-132%
2037-26-5	Toluene-D8	111%	74-129%
460-00-4	4-Bromofluorobenzene	91%	62-138%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV4010-BS1	V96705.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	53.0	106	45-168
71-43-2	Benzene	50	58.2	116	78-120
75-27-4	Bromodichloromethane	50	53.3	107	76-129
75-25-2	Bromoform	50	48.3	97	70-141
74-83-9	Bromomethane	50	53.1	106	57-142
78-93-3	2-Butanone (MEK)	50	54.9	110	59-140
75-15-0	Carbon disulfide	50	56.4	113	64-140
56-23-5	Carbon tetrachloride	50	56.1	112	66-151
108-90-7	Chlorobenzene	50	52.7	105	80-117
75-00-3	Chloroethane	50	57.3	115	60-142
67-66-3	Chloroform	50	52.4	105	75-122
74-87-3	Chloromethane	50	57.3	115	56-140
124-48-1	Dibromochloromethane	50	51.4	103	76-136
75-34-3	1,1-Dichloroethane	50	58.2	116	73-124
107-06-2	1,2-Dichloroethane	50	52.0	104	75-137
75-35-4	1,1-Dichloroethene	50	54.8	110	66-130
156-59-2	cis-1,2-Dichloroethene	50	54.6	109	73-121
156-60-5	trans-1,2-Dichloroethene	50	55.3	111	74-123
540-59-0	1,2-Dichloroethene (total)	100	110	110	74-121
78-87-5	1,2-Dichloropropane	50	58.6	117	78-121
10061-01-5	cis-1,3-Dichloropropene	50	56.7	113	81-124
10061-02-6	trans-1,3-Dichloropropene	50	55.5	111	78-130
100-41-4	Ethylbenzene	50	57.0	114	81-121
591-78-6	2-Hexanone	50	58.6	117	56-147
108-10-1	4-Methyl-2-pentanone(MIBK)	50	60.4	121	64-142
75-09-2	Methylene chloride	50	51.2	102	69-123
100-42-5	Styrene	50	52.9	106	79-127
79-34-5	1,1,2,2-Tetrachloroethane	50	56.4	113	71-123
127-18-4	Tetrachloroethene	50	49.2	98	73-134
108-88-3	Toluene	50	57.0	114	79-122
71-55-6	1,1,1-Trichloroethane	50	55.0	110	72-136
79-00-5	1,1,2-Trichloroethane	50	54.6	109	76-123
79-01-6	Trichloroethene	50	55.4	111	80-124
75-01-4	Vinyl chloride	50	59.2	118	59-145
1330-20-7	Xylene (total)	150	169	113	80-121

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV4010-BS1	V96705.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	99%	65-132%
2037-26-5	Toluene-D8	106%	74-129%
460-00-4	4-Bromofluorobenzene	98%	62-138%

Matrix Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31420-4MS	3C56606.D	1	11/09/09	DPP	n/a	n/a	V3C2492
JA31420-4	3C56564.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Compound	JA31420-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		52.5	54.7	104	26-178
71-43-2	Benzene	ND		52.5	42.2	80	41-136
75-27-4	Bromodichloromethane	ND		52.5	48.3	92	37-150
75-25-2	Bromoform	ND		52.5	49.5	94	31-153
74-83-9	Bromomethane	ND		52.5	42.9	82	4-154
78-93-3	2-Butanone (MEK)	ND		52.5	48.5	92	32-159
75-15-0	Carbon disulfide	1.8	J	52.5	43.3	79	27-148
56-23-5	Carbon tetrachloride	ND		52.5	48.4	92	27-165
108-90-7	Chlorobenzene	ND		52.5	40.9	78	33-140
75-00-3	Chloroethane	ND		52.5	37.8	72	5-151
67-66-3	Chloroform	ND		52.5	43.9	84	44-135
74-87-3	Chloromethane	ND		52.5	35.8	68	27-149
124-48-1	Dibromochloromethane	ND		52.5	46.0	88	35-154
75-34-3	1,1-Dichloroethane	ND		52.5	45.3	86	45-135
107-06-2	1,2-Dichloroethane	ND		52.5	48.7	93	44-143
75-35-4	1,1-Dichloroethene	ND		52.5	40.3	77	32-149
156-59-2	cis-1,2-Dichloroethene	ND		52.5	39.0	74	42-135
156-60-5	trans-1,2-Dichloroethene	ND		52.5	40.1	76	37-140
540-59-0	1,2-Dichloroethene (total)	ND		105	79.1	75	40-137
78-87-5	1,2-Dichloropropane	ND		52.5	45.0	86	45-136
10061-01-5	cis-1,3-Dichloropropene	ND		52.5	49.9	95	37-143
10061-02-6	trans-1,3-Dichloropropene	ND		52.5	53.9	103	34-148
100-41-4	Ethylbenzene	ND		52.5	42.3	81	28-147
591-78-6	2-Hexanone	ND		52.5	48.4	92	19-169
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		52.5	56.5	108	31-158
75-09-2	Methylene chloride	ND		52.5	40.0	76	39-138
100-42-5	Styrene	ND		52.5	45.7	87	23-156
79-34-5	1,1,2,2-Tetrachloroethane	ND		52.5	42.1	80	35-136
127-18-4	Tetrachloroethene	ND		52.5	41.7	79	27-164
108-88-3	Toluene	ND		52.5	46.8	89	32-145
71-55-6	1,1,1-Trichloroethane	ND		52.5	46.7	89	36-150
79-00-5	1,1,2-Trichloroethane	ND		52.5	49.9	95	37-147
79-01-6	Trichloroethene	ND		52.5	41.9	80	34-149
75-01-4	Vinyl chloride	ND		52.5	40.0	76	29-152
1330-20-7	Xylene (total)	ND		158	124	79	24-150

Matrix Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31420-4MS	3C56606.D	1	11/09/09	DPP	n/a	n/a	V3C2492
JA31420-4	3C56564.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Surrogate Recoveries	MS	JA31420-4	Limits
1868-53-7	Dibromofluoromethane	103%	106%	67-127%
17060-07-0	1,2-Dichloroethane-D4	104%	112%	65-132%
2037-26-5	Toluene-D8	112%	104%	74-129%
460-00-4	4-Bromofluorobenzene	90%	94%	62-138%

Matrix Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA32144-2MS	3C56619.D	1	11/09/09	DPP	n/a	n/a	V3C2494
JA32144-2	3C56616.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Compound	JA32144-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		55.9	124	222* [a]	26-178
71-43-2	Benzene	ND		55.9	47.0	84	41-136
75-27-4	Bromodichloromethane	ND		55.9	56.0	100	37-150
75-25-2	Bromoform	ND		55.9	53.7	96	31-153
74-83-9	Bromomethane	ND		55.9	48.8	87	4-154
78-93-3	2-Butanone (MEK)	ND		55.9	68.6	123	32-159
75-15-0	Carbon disulfide	ND		55.9	46.1	82	27-148
56-23-5	Carbon tetrachloride	ND		55.9	55.9	100	27-165
108-90-7	Chlorobenzene	ND		55.9	44.2	79	33-140
75-00-3	Chloroethane	ND		55.9	42.7	76	5-151
67-66-3	Chloroform	ND		55.9	50.2	90	44-135
74-87-3	Chloromethane	ND		55.9	39.4	70	27-149
124-48-1	Dibromochloromethane	ND		55.9	50.9	91	35-154
75-34-3	1,1-Dichloroethane	ND		55.9	49.9	89	45-135
107-06-2	1,2-Dichloroethane	ND		55.9	57.1	102	44-143
75-35-4	1,1-Dichloroethene	ND		55.9	44.3	79	32-149
156-59-2	cis-1,2-Dichloroethene	ND		55.9	43.0	77	42-135
156-60-5	trans-1,2-Dichloroethene	ND		55.9	44.6	80	37-140
540-59-0	1,2-Dichloroethene (total)	ND		112	87.6	78	40-137
78-87-5	1,2-Dichloropropane	ND		55.9	48.4	87	45-136
10061-01-5	cis-1,3-Dichloropropene	ND		55.9	54.0	97	37-143
10061-02-6	trans-1,3-Dichloropropene	ND		55.9	61.0	109	34-148
100-41-4	Ethylbenzene	ND		55.9	45.6	82	28-147
591-78-6	2-Hexanone	ND		55.9	66.8	119	19-169
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		55.9	59.3	106	31-158
75-09-2	Methylene chloride	ND		55.9	43.3	77	39-138
100-42-5	Styrene	ND		55.9	48.7	87	23-156
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.9	43.6	78	35-136
127-18-4	Tetrachloroethene	ND		55.9	46.0	82	27-164
108-88-3	Toluene	ND		55.9	52.1	93	32-145
71-55-6	1,1,1-Trichloroethane	ND		55.9	53.3	95	36-150
79-00-5	1,1,2-Trichloroethane	ND		55.9	54.4	97	37-147
79-01-6	Trichloroethene	ND		55.9	46.5	83	34-149
75-01-4	Vinyl chloride	ND		55.9	43.4	78	29-152
1330-20-7	Xylene (total)	ND		168	134	80	24-150

Matrix Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA32144-2MS	3C56619.D	1	11/09/09	DPP	n/a	n/a	V3C2494
JA32144-2	3C56616.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Surrogate Recoveries	MS	JA32144-2	Limits
1868-53-7	Dibromofluoromethane	106%	109%	67-127%
17060-07-0	1,2-Dichloroethane-D4	112%	121%	65-132%
2037-26-5	Toluene-D8	115%	104%	74-129%
460-00-4	4-Bromofluorobenzene	89%	94%	62-138%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31616-12MS	U124531.D	10	11/05/09	JTP	n/a	n/a	VU4950
JA31616-12MSD	U124532.D	10	11/05/09	JTP	n/a	n/a	VU4950
JA31616-12	U124544.D	10	11/06/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Compound	JA31616-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		500	508	102	465	93	9	44-157/20
71-43-2	Benzene	888		500	1430	108	1350	92	6	38-139/13
75-27-4	Bromodichloromethane	ND		500	500	100	486	97	3	70-135/13
75-25-2	Bromoform	ND		500	463	93	453	91	2	53-139/13
74-83-9	Bromomethane	ND		500	611	122	549	110	11	44-150/18
78-93-3	2-Butanone (MEK)	ND		500	483	97	441	88	9	58-140/14
75-15-0	Carbon disulfide	ND		500	524	105	468	94	11	34-136/21
56-23-5	Carbon tetrachloride	ND		500	564	113	553	111	2	50-161/18
108-90-7	Chlorobenzene	ND		500	490	98	481	96	2	65-128/12
75-00-3	Chloroethane	ND		500	575	115	500	100	14	41-151/18
67-66-3	Chloroform	ND		500	511	102	478	96	7	66-132/14
74-87-3	Chloromethane	ND		500	562	112	426	85	28* [a]	35-149/22
124-48-1	Dibromochloromethane	ND		500	471	94	461	92	2	67-134/12
75-34-3	1,1-Dichloroethane	ND		500	509	102	453	91	12	59-132/15
107-06-2	1,2-Dichloroethane	ND		500	529	106	505	101	5	59-153/15
75-35-4	1,1-Dichloroethene	ND		500	538	108	494	99	9	41-144/17
156-59-2	cis-1,2-Dichloroethene	ND		500	503	101	465	93	8	57-131/13
156-60-5	trans-1,2-Dichloroethene	ND		500	519	104	487	97	6	55-131/15
540-59-0	1,2-Dichloroethene (total)	ND		1000	1020	102	952	95	7	56-131/12
78-87-5	1,2-Dichloropropane	ND		500	477	95	446	89	7	67-125/12
10061-01-5	cis-1,3-Dichloropropene	ND		500	475	95	455	91	4	68-126/13
10061-02-6	trans-1,3-Dichloropropene	ND		500	478	96	463	93	3	68-134/13
100-41-4	Ethylbenzene	575		500	1080	101	1030	91	5	37-143/13
591-78-6	2-Hexanone	ND		500	473	95	441	88	7	53-145/17
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		500	474	95	444	89	7	57-141/14
75-09-2	Methylene chloride	ND		500	459	92	425	85	8	59-129/12
100-42-5	Styrene	ND		500	578	116	561	112	3	60-135/13
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	451	90	420	84	7	62-126/13
127-18-4	Tetrachloroethene	ND		500	508	102	502	100	1	48-145/15
108-88-3	Toluene	1450		500	2030	116	1960	102	4	44-141/14
71-55-6	1,1,1-Trichloroethane	ND		500	558	112	519	104	7	55-149/18
79-00-5	1,1,2-Trichloroethane	ND		500	480	96	463	93	4	70-127/12
79-01-6	Trichloroethene	ND		500	507	101	493	99	3	53-141/15
75-01-4	Vinyl chloride	ND		500	615	123	530	106	15	34-151/20
1330-20-7	Xylene (total)	2410		1500	4060	110	3890	99	4	36-144/13

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31616-12MS	U124531.D	10	11/05/09	JTP	n/a	n/a	VU4950
JA31616-12MSD	U124532.D	10	11/05/09	JTP	n/a	n/a	VU4950
JA31616-12	U124544.D	10	11/06/09	JTP	n/a	n/a	VU4950

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-26, JA31420-27

CAS No.	Surrogate Recoveries	MS	MSD	JA31616-12	Limits
1868-53-7	Dibromofluoromethane	100%	96%	93%	76-120%
17060-07-0	1,2-Dichloroethane-D4	96%	89%	84%	64-135%
2037-26-5	Toluene-D8	92%	93%	91%	76-117%
460-00-4	4-Bromofluorobenzene	89%	87%	86%	72-122%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31706-1MS	V96716.D	1	11/10/09	JLI	n/a	n/a	VV4010
JA31706-1MSD	V96717.D	1	11/10/09	JLI	n/a	n/a	VV4010
JA31706-1	V96720.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Compound	JA31706-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		68.5	13.5	20* [a]	61.3	89	128* [a]	26-178/32
71-43-2	Benzene	ND		68.5	58.3	85	56.8	83	3	41-136/24
75-27-4	Bromodichloromethane	ND		68.5	53.9	79	52.1	76	3	37-150/23
75-25-2	Bromoform	ND		68.5	45.2	66	44.2	64	2	31-153/24
74-83-9	Bromomethane	ND		68.5	56.4	82	57.2	83	1	4-154/32
78-93-3	2-Butanone (MEK)	ND		68.5	51.3	75	48.2	70	6	32-159/28
75-15-0	Carbon disulfide	ND		68.5	55.4	81	56.2	82	1	27-148/28
56-23-5	Carbon tetrachloride	ND		68.5	53.7	78	52.3	76	3	27-165/26
108-90-7	Chlorobenzene	ND		68.5	50.3	73	50.4	74	0	33-140/26
75-00-3	Chloroethane	ND		68.5	58.1	85	57.5	84	1	5-151/33
67-66-3	Chloroform	ND		68.5	53.8	79	53.1	77	1	44-135/24
74-87-3	Chloromethane	ND		68.5	57.0	83	57.7	84	1	27-149/27
124-48-1	Dibromochloromethane	ND		68.5	49.2	72	49.1	72	0	35-154/23
75-34-3	1,1-Dichloroethane	ND		68.5	57.5	84	57.8	84	1	45-135/24
107-06-2	1,2-Dichloroethane	ND		68.5	52.6	77	49.8	73	5	44-143/23
75-35-4	1,1-Dichloroethene	ND		68.5	54.5	80	56.3	82	3	32-149/26
156-59-2	cis-1,2-Dichloroethene	ND		68.5	55.6	81	55.9	82	1	42-135/25
156-60-5	trans-1,2-Dichloroethene	ND		68.5	54.4	79	55.6	81	2	37-140/25
540-59-0	1,2-Dichloroethene (total)	ND		137	110	80	112	82	2	40-137/25
78-87-5	1,2-Dichloropropane	ND		68.5	59.0	86	57.9	84	2	45-136/23
10061-01-5	cis-1,3-Dichloropropene	ND		68.5	55.4	81	54.5	80	2	37-143/26
10061-02-6	trans-1,3-Dichloropropene	ND		68.5	53.2	78	51.9	76	2	34-148/26
100-41-4	Ethylbenzene	ND		68.5	52.3	76	52.0	76	1	28-147/27
591-78-6	2-Hexanone	ND		68.5	49.4	72	45.8	67	8	19-169/31
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		68.5	58.0	85	54.4	79	6	31-158/26
75-09-2	Methylene chloride	ND		68.5	53.2	78	54.3	79	2	39-138/24
100-42-5	Styrene	ND		68.5	48.6	71	48.0	70	1	23-156/29
79-34-5	1,1,2,2-Tetrachloroethane	ND		68.5	47.2	69	45.8	67	3	35-136/25
127-18-4	Tetrachloroethene	ND		68.5	47.7	70	48.2	70	1	27-164/28
108-88-3	Toluene	0.50	J	68.5	56.8	82	56.6	82	0	32-145/26
71-55-6	1,1,1-Trichloroethane	ND		68.5	53.2	78	53.5	78	1	36-150/24
79-00-5	1,1,2-Trichloroethane	ND		68.5	53.5	78	53.2	78	1	37-147/23
79-01-6	Trichloroethene	ND		68.5	53.6	78	52.6	77	2	34-149/25
75-01-4	Vinyl chloride	ND		68.5	58.2	85	58.4	85	0	29-152/26
1330-20-7	Xylene (total)	ND		206	155	75	156	76	1	24-150/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31706-1MS	V96716.D	1	11/10/09	JLI	n/a	n/a	VV4010
JA31706-1MSD	V96717.D	1	11/10/09	JLI	n/a	n/a	VV4010
JA31706-1	V96720.D	1	11/10/09	JLI	n/a	n/a	VV4010

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-19, JA31420-20, JA31420-24

CAS No.	Surrogate Recoveries	MS	MSD	JA31706-1	Limits
1868-53-7	Dibromofluoromethane	89%	90%	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	91%	92%	81%	65-132%
2037-26-5	Toluene-D8	102%	102%	91%	74-129%
460-00-4	4-Bromofluorobenzene	93%	92%	74%	62-138%

(a) Outside control limits due to matrix interference.

Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31420-3DUP	3C56567.D	1	11/07/09	DPP	n/a	n/a	V3C2492
JA31420-3	3C56563.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Compound	JA31420-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	15
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	11
75-15-0	Carbon disulfide	0.86	J	0.52	J	49* [a]	17
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
124-48-1	Dibromochloromethane	ND		ND		nc	10
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	16
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	16
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
540-59-0	1,2-Dichloroethene (total)	ND		ND		nc	16
78-87-5	1,2-Dichloropropane	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	ND		ND		nc	15
591-78-6	2-Hexanone	ND		ND		nc	10
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	27
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	14
108-88-3	Toluene	1.7		ND		200* [a]	27
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	18
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	12
75-01-4	Vinyl chloride	ND		ND		nc	13
1330-20-7	Xylene (total)	ND		ND		nc	24

Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31420-3DUP	3C56567.D	1	11/07/09	DPP	n/a	n/a	V3C2492
JA31420-3	3C56563.D	1	11/07/09	DPP	n/a	n/a	V3C2492

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15

CAS No.	Surrogate Recoveries	DUP	JA31420-3	Limits
1868-53-7	Dibromofluoromethane	103%	107%	67-127%
17060-07-0	1,2-Dichloroethane-D4	101%	111%	65-132%
2037-26-5	Toluene-D8	105%	105%	74-129%
460-00-4	4-Bromofluorobenzene	95%	93%	62-138%

(a) High RPD due to low concentration of hit

Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA32144-1DUP	3C56618.D	1	11/09/09	DPP	n/a	n/a	V3C2494
JA32144-1	3C56615.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Compound	JA32144-1 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		11.8		200* [a]	25
71-43-2	Benzene	ND		ND		nc	15
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	11
75-15-0	Carbon disulfide	ND		ND		nc	17
56-23-5	Carbon tetrachloride	ND		ND		nc	10
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
124-48-1	Dibromochloromethane	ND		ND		nc	10
75-34-3	1,1-Dichloroethane	ND		ND		nc	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	16
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	16
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	10
540-59-0	1,2-Dichloroethene (total)	ND		ND		nc	16
78-87-5	1,2-Dichloropropane	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	10
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	10
100-41-4	Ethylbenzene	ND		ND		nc	15
591-78-6	2-Hexanone	ND		ND		nc	10
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	27
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	14
108-88-3	Toluene	ND		ND		nc	27
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	18
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	12
75-01-4	Vinyl chloride	ND		ND		nc	13
1330-20-7	Xylene (total)	ND		ND		nc	24

Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA32144-1DUP	3C56618.D	1	11/09/09	DPP	n/a	n/a	V3C2494
JA32144-1	3C56615.D	1	11/09/09	DPP	n/a	n/a	V3C2494

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA31420-16, JA31420-17, JA31420-18, JA31420-21, JA31420-22, JA31420-23, JA31420-25

CAS No.	Surrogate Recoveries	DUP	JA32144-1	Limits
1868-53-7	Dibromofluoromethane	113%	113%	67-127%
17060-07-0	1,2-Dichloroethane-D4	123%	122%	65-132%
2037-26-5	Toluene-D8	105%	104%	74-129%
460-00-4	4-Bromofluorobenzene	92%	92%	62-138%

(a) High RPD due to low concentration of hit

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2443-BFB
Lab File ID: 3C55789.D
Instrument ID: GCMS3C
Injection Date: 10/14/09
Injection Time: 16:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8442	16.1		Pass
75	30.0 - 60.0% of mass 95	23792	45.3		Pass
95	Base peak, 100% relative abundance	52538	100.0		Pass
96	5.0 - 9.0% of mass 95	3551	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44474	84.7		Pass
175	5.0 - 9.0% of mass 174	3293	6.3	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	43245	82.3	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2830	5.4	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2443-IC2443	3C55790.D	10/14/09	17:23	00:27	Initial cal 0.5
V3C2443-IC2443	3C55791.D	10/14/09	17:51	00:55	Initial cal 1
V3C2443-IC2443	3C55792.D	10/14/09	18:20	01:24	Initial cal 5
V3C2443-IC2443	3C55793.D	10/14/09	18:49	01:53	Initial cal 10
V3C2443-IC2443	3C55794.D	10/14/09	19:17	02:21	Initial cal 20
V3C2443-ICC2443	3C55795.D	10/14/09	19:46	02:50	Initial cal 50
V3C2443-IC2443	3C55796.D	10/14/09	20:15	03:19	Initial cal 100
V3C2443-IC2443	3C55797.D	10/14/09	20:43	03:47	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2492-BFB
Lab File ID: 3C56557.D
Instrument ID: GCMS3C
Injection Date: 11/07/09
Injection Time: 13:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6388	19.2		Pass
75	30.0 - 60.0% of mass 95	16798	50.5		Pass
95	Base peak, 100% relative abundance	33296	100.0		Pass
96	5.0 - 9.0% of mass 95	2358	7.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	27850	83.6		Pass
175	5.0 - 9.0% of mass 174	2114	6.3	(7.6) [a]	Pass
176	95.0 - 101.0% of mass 174	26696	80.2	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	1798	5.4	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2492-CC2443	3C56558.D	11/07/09	15:18	02:01	Continuing cal 20
V3C2492-MB1	3C56559.D	11/07/09	15:55	02:38	Method Blank
V3C2492-BS	3C56560.D	11/07/09	16:36	03:19	Blank Spike
JA31420-1	3C56561.D	11/07/09	17:11	03:54	NLF-1-0-2
JA31420-2	3C56562.D	11/07/09	17:39	04:22	NLF-1-2-4
JA31420-3	3C56563.D	11/07/09	18:08	04:51	NLF-1-4-6
JA31420-4	3C56564.D	11/07/09	18:36	05:19	NLF-1-6-8
JA31420-5	3C56565.D	11/07/09	19:05	05:48	NLF-1-8-10
JA31420-3DUP	3C56567.D	11/07/09	20:09	06:52	Duplicate
JA31420-6	3C56568.D	11/07/09	20:37	07:20	NLF-2-0-2
JA31420-7	3C56569.D	11/07/09	21:06	07:49	NLF-2-2-4
JA31420-8	3C56570.D	11/07/09	21:34	08:17	NLF-2-4-6
JA31420-9	3C56571.D	11/07/09	22:03	08:46	NLF-2-6-8
JA31420-10	3C56572.D	11/07/09	22:31	09:14	NLF-2-8-10
JA31420-11	3C56573.D	11/07/09	23:00	09:43	NLF-3-0-2
JA31420-12	3C56574.D	11/07/09	23:28	10:11	NLF-3-2-4
JA31420-13	3C56575.D	11/07/09	23:57	10:40	NLF-3-4-6
JA31420-14	3C56576.D	11/08/09	00:25	11:08	NLF-3-6-8
JA31420-15	3C56577.D	11/08/09	00:54	11:37	NLF-3-8-10
V3C2493-BS	3C56583.D	11/08/09	03:42	14:25	Blank Spike

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2494-BFB
Lab File ID: 3C56603.D
Instrument ID: GCMS3C
Injection Date: 11/09/09
Injection Time: 08:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	6413	17.6		Pass
75	30.0 - 60.0% of mass 95	17435	47.9		Pass
95	Base peak, 100% relative abundance	36368	100.0		Pass
96	5.0 - 9.0% of mass 95	2493	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30786	84.7		Pass
175	5.0 - 9.0% of mass 174	2451	6.7	(8.0) [a]	Pass
176	95.0 - 101.0% of mass 174	30136	82.9	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	1894	5.2	(6.3) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2494-CC2443	3C56604.D	11/09/09	08:57	00:27	Continuing cal 20
V3C2492-MB2	3C56605.D	11/09/09	09:34	01:04	Method Blank
JA31420-4MS	3C56606.D	11/09/09	10:06	01:36	Matrix Spike
V3C2494-MB1	3C56607.D	11/09/09	10:43	02:13	Method Blank
V3C2494-BS	3C56608.D	11/09/09	11:19	02:49	Blank Spike
JA31420-16	3C56609.D	11/09/09	12:08	03:38	NLF-4-0-2
JA31420-17	3C56610.D	11/09/09	12:37	04:07	NLF-4-2-4
JA31420-18	3C56611.D	11/09/09	13:06	04:36	NLF-4-4-6
JA31420-21	3C56612.D	11/09/09	13:35	05:05	NLF-5-0-2
JA31420-22	3C56613.D	11/09/09	14:04	05:34	NLF-5-2-4
JA31420-23	3C56614.D	11/09/09	14:33	06:03	4LF-5-4-6
JA32144-1	3C56615.D	11/09/09	15:02	06:32	(used for QC only; not part of job JA31420)
JA32144-2	3C56616.D	11/09/09	15:30	07:00	(used for QC only; not part of job JA31420)
ZZZZZZ	3C56617.D	11/09/09	15:59	07:29	(unrelated sample)
JA32144-1DUP	3C56618.D	11/09/09	16:28	07:58	Duplicate
JA32144-2MS	3C56619.D	11/09/09	16:57	08:27	Matrix Spike
JA31420-25	3C56621.D	11/09/09	17:54	09:24	NLF-5-8-10
ZZZZZZ	3C56622.D	11/09/09	18:22	09:52	(unrelated sample)
ZZZZZZ	3C56623.D	11/09/09	18:51	10:21	(unrelated sample)
ZZZZZZ	3C56624.D	11/09/09	19:20	10:50	(unrelated sample)
ZZZZZZ	3C56625.D	11/09/09	19:48	11:18	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4883-BFB
Lab File ID: U123036.D
Instrument ID: GCMSU
Injection Date: 09/28/09
Injection Time: 09:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	21584	18.6		Pass
75	30.0 - 60.0% of mass 95	52747	45.5		Pass
95	Base peak, 100% relative abundance	115944	100.0		Pass
96	5.0 - 9.0% of mass 95	7589	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	97261	83.9		Pass
175	5.0 - 9.0% of mass 174	7171	6.2	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	93493	80.6	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	6353	5.5	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU4883-IC4883	U123037.D	09/28/09	10:13	00:26	Initial cal 0.5
VU4883-IC4883	U123038.D	09/28/09	10:43	00:56	Initial cal 1
VU4883-IC4883	U123039.D	09/28/09	11:12	01:25	Initial cal 2
VU4883-IC4883	U123040.D	09/28/09	11:42	01:55	Initial cal 5
VU4883-IC4883	U123041.D	09/28/09	12:12	02:25	Initial cal 20
VU4883-ICC4883	U123042.D	09/28/09	12:41	02:54	Initial cal 50
VU4883-IC4883	U123043.D	09/28/09	13:11	03:24	Initial cal 100
VU4883-IC4883	U123044.D	09/28/09	13:41	03:54	Initial cal 200
VU4883-ICV4883	U123047.D	09/28/09	15:11	05:24	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4950-BFB
Lab File ID: U124526.D
Instrument ID: GCMSU
Injection Date: 11/05/09
Injection Time: 20:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25979	18.1		Pass
75	30.0 - 60.0% of mass 95	65808	45.8		Pass
95	Base peak, 100% relative abundance	143624	100.0		Pass
96	5.0 - 9.0% of mass 95	9701	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	127005	88.4		Pass
175	5.0 - 9.0% of mass 174	9451	6.6	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	123725	86.1	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	8290	5.8	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VU4950-CC4883	U124527.D	11/05/09	20:47	00:26	Continuing cal 50
VU4950-MB	U124529.D	11/05/09	21:46	01:25	Method Blank
VU4950-BS	U124530.D	11/05/09	22:15	01:54	Blank Spike
JA31616-12MS	U124531.D	11/05/09	22:45	02:24	Matrix Spike
JA31616-12MSD	U124532.D	11/05/09	23:14	02:53	Matrix Spike Duplicate
JA31420-26	U124534.D	11/06/09	00:13	03:52	FIELD BLANK
JA31420-27	U124535.D	11/06/09	00:42	04:21	TRIP BLANK
ZZZZZZ	U124536.D	11/06/09	01:12	04:51	(unrelated sample)
ZZZZZZ	U124537.D	11/06/09	01:42	05:21	(unrelated sample)
ZZZZZZ	U124538.D	11/06/09	02:11	05:50	(unrelated sample)
ZZZZZZ	U124539.D	11/06/09	02:40	06:19	(unrelated sample)
ZZZZZZ	U124540.D	11/06/09	03:09	06:48	(unrelated sample)
ZZZZZZ	U124541.D	11/06/09	03:38	07:17	(unrelated sample)
ZZZZZZ	U124542.D	11/06/09	04:07	07:46	(unrelated sample)
ZZZZZZ	U124543.D	11/06/09	04:36	08:15	(unrelated sample)
JA31616-12	U124544.D	11/06/09	05:06	08:45	(used for QC only; not part of job JA31420)

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-BFB
Lab File ID: V94838.D
Instrument ID: GCMSV
Injection Date: 09/21/09
Injection Time: 19:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24333	15.3		Pass
75	30.0 - 60.0% of mass 95	70525	44.4		Pass
95	Base peak, 100% relative abundance	158954	100.0		Pass
96	5.0 - 9.0% of mass 95	10615	6.7		Pass
173	Less than 2.0% of mass 174	327	0.21	(0.22) [a]	Pass
174	50.0 - 120.0% of mass 95	148629	93.5		Pass
175	5.0 - 9.0% of mass 174	10707	6.7	(7.2) [a]	Pass
176	95.0 - 101.0% of mass 174	144768	91.1	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9915	6.2	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VV3917-IC3917	V94839.D	09/21/09	19:55	00:33	Initial cal 0.5
VV3917-IC3917	V94840.D	09/21/09	20:26	01:04	Initial cal 1
VV3917-IC3917	V94841.D	09/21/09	20:57	01:35	Initial cal 5
VV3917-IC3917	V94842.D	09/21/09	21:28	02:06	Initial cal 10
VV3917-IC3917	V94843.D	09/21/09	21:58	02:36	Initial cal 20
VV3917-ICC3917	V94844.D	09/21/09	22:29	03:07	Initial cal 50
VV3917-IC3917	V94845.D	09/21/09	23:00	03:38	Initial cal 80
VV3917-IC3917	V94846.D	09/21/09	23:31	04:09	Initial cal 100
VV3917-IC3917	V94847.D	09/22/09	00:02	04:40	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV4010-BFB
Lab File ID: V96702.D
Instrument ID: GCMSV
Injection Date: 11/10/09
Injection Time: 11:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	18754	16.4		Pass
75	30.0 - 60.0% of mass 95	51469	45.1		Pass
95	Base peak, 100% relative abundance	114221	100.0		Pass
96	5.0 - 9.0% of mass 95	8009	7.0		Pass
173	Less than 2.0% of mass 174	175	0.15	(0.17) [a]	Pass
174	50.0 - 120.0% of mass 95	104336	91.3		Pass
175	5.0 - 9.0% of mass 174	7523	6.6	(7.2) [a]	Pass
176	95.0 - 101.0% of mass 174	99488	87.1	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6984	6.1	(7.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VV4010-CC3917	V96703.D	11/10/09	11:53	00:34	Continuing cal 20
VV4010-MB1	V96704.D	11/10/09	12:33	01:14	Method Blank
VV4010-BS1	V96705.D	11/10/09	13:10	01:51	Blank Spike
JA31420-19	V96706.D	11/10/09	13:44	02:25	NLF-4-6-8
JA31420-20	V96707.D	11/10/09	14:15	02:56	NLF-4-8-10
JA31420-24	V96708.D	11/10/09	14:46	03:27	NLF-5-6-8
ZZZZZZ	V96709.D	11/10/09	15:16	03:57	(unrelated sample)
ZZZZZZ	V96710.D	11/10/09	15:47	04:28	(unrelated sample)
ZZZZZZ	V96711.D	11/10/09	16:49	05:30	(unrelated sample)
ZZZZZZ	V96712.D	11/10/09	17:20	06:01	(unrelated sample)
ZZZZZZ	V96713.D	11/10/09	17:50	06:31	(unrelated sample)
ZZZZZZ	V96714.D	11/10/09	18:21	07:02	(unrelated sample)
ZZZZZZ	V96715.D	11/10/09	18:51	07:32	(unrelated sample)
JA31706-1MS	V96716.D	11/10/09	19:53	08:34	Matrix Spike
JA31706-1MSD	V96717.D	11/10/09	20:24	09:05	Matrix Spike Duplicate
ZZZZZZ	V96718.D	11/10/09	20:55	09:36	(unrelated sample)
ZZZZZZ	V96719.D	11/10/09	21:25	10:06	(unrelated sample)
JA31706-1	V96720.D	11/10/09	21:56	10:37	(used for QC only; not part of job JA31420)
ZZZZZZ	V96721.D	11/10/09	22:27	11:08	(unrelated sample)
ZZZZZZ	V96722.D	11/10/09	22:58	11:39	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	V3C2492-CC2443	**Injection Date:**	11/07/09
Lab File ID:	3C56558.D	**Injection Time:**	15:18
Instrument ID:	GCMS3C	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	50157	7.30	182157	9.51	263411	10.42	198384	13.56	106054	15.85
Upper Limit [a]	100314	7.80	364314	10.01	526822	10.92	396768	14.06	212108	16.35
Lower Limit [b]	25079	6.80	91079	9.01	131706	9.92	99192	13.06	53027	15.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C2492-MB1	42611	7.31	160367	9.50	228512	10.42	168625	13.55	85910	15.85
V3C2492-BS	49857	7.30	176993	9.50	260100	10.42	200495	13.55	109951	15.85
JA31420-1	54712	7.30	177249	9.50	256680	10.42	188197	13.55	94038	15.85
JA31420-2	46766	7.30	161728	9.51	239092	10.42	175879	13.56	88596	15.85
JA31420-3	48534	7.31	156660	9.51	229843	10.42	168375	13.56	85204	15.85
JA31420-4	39610	7.32	153582	9.51	224123	10.42	164983	13.56	81660	15.85
JA31420-5	39739	7.30	149575	9.51	219644	10.42	158675	13.56	80872	15.85
JA31420-3DUP	45152	7.31	175351	9.51	253265	10.42	185365	13.56	92011	15.85
JA31420-6	42251	7.31	155213	9.51	228091	10.42	167797	13.56	81200	15.85
JA31420-7	42555	7.31	147360	9.51	217239	10.42	161121	13.55	81166	15.85
JA31420-8	38783	7.31	144155	9.51	212228	10.42	156850	13.56	80158	15.85
JA31420-9	39605	7.31	141549	9.51	210920	10.42	153439	13.56	78744	15.85
JA31420-10	35468	7.30	146175	9.51	214965	10.42	157640	13.56	79615	15.85
JA31420-11	50508	7.30	145221	9.51	214807	10.42	157124	13.56	78942	15.85
JA31420-12	46004	7.30	141282	9.51	210943	10.42	153429	13.56	78689	15.85
JA31420-13	38722	7.30	140204	9.51	206698	10.42	151469	13.56	77278	15.85
JA31420-14	49151	7.30	138745	9.51	207116	10.42	152221	13.56	75259	15.85
JA31420-15	41966	7.31	141134	9.51	209345	10.42	160168	13.56	87686	15.85
V3C2493-BS	31887	7.29	158981	9.50	231709	10.42	177975	13.55	97991	15.85

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	V3C2494-CC2443	**Injection Date:**	11/09/09
Lab File ID:	3C56604.D	**Injection Time:**	08:57
Instrument ID:	GCMS3C	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	57469	7.30	199185	9.50	284412	10.42	207112	13.55	110025	15.85
Upper Limit [a]	114938	7.80	398370	10.00	568824	10.92	414224	14.05	220050	16.35
Lower Limit [b]	28735	6.80	99593	9.00	142206	9.92	103556	13.05	55013	15.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C2492-MB2	46056	7.31	146356	9.51	215821	10.42	157527	13.56	76795	15.85
JA31420-4MS	60553	7.30	183841	9.50	263382	10.42	203016	13.55	112336	15.85
V3C2494-MB1	57177	7.30	172947	9.50	249361	10.42	182972	13.55	92729	15.85
V3C2494-BS	70858	7.30	169183	9.50	242462	10.42	184595	13.55	98975	15.85
JA31420-16	54430	7.31	178989	9.50	258878	10.42	188194	13.55	95063	15.85
JA31420-17	46613	7.32	164582	9.51	238262	10.42	175625	13.55	88956	15.85
JA31420-18	46667	7.30	158153	9.51	230178	10.42	168954	13.55	87567	15.85
JA31420-21	46012	7.31	151883	9.51	220578	10.42	159692	13.56	81556	15.85
JA31420-22	53383	7.31	146367	9.51	217797	10.42	157885	13.56	78473	15.85
JA31420-23	42568	7.31	146957	9.51	216104	10.42	156526	13.56	79253	15.85
JA32144-1	37250	7.30	127118	9.51	187930	10.42	138124	13.56	69916	15.85
JA32144-2	38148	7.30	139558	9.51	204588	10.42	149659	13.56	75528	15.85
ZZZZZZ	29099	7.30	124153	9.51	181897	10.42	131160	13.56	67498	15.85
JA32144-1DUP	45852	7.31	135905	9.51	198538	10.42	147123	13.56	75582	15.85
JA32144-2MS	44540	7.31	152942	9.50	219539	10.42	173075	13.56	100184	15.85
JA31420-25	38499	7.31	147135	9.51	217352	10.42	158224	13.56	79658	15.85
ZZZZZZ	43160	7.30	137511	9.50	206184	10.42	152518	13.56	77951	15.85
ZZZZZZ	38880	7.31	130886	9.51	191964	10.42	141102	13.56	70446	15.85
ZZZZZZ	36496	7.31	128698	9.51	190622	10.42	144141	13.56	74322	15.85
ZZZZZZ	41538	7.30	130046	9.51	192100	10.42	144114	13.56	75199	15.85

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	VU4950-CC4883	**Injection Date:**	11/05/09
Lab File ID:	U124527.D	**Injection Time:**	20:47
Instrument ID:	GCMSU	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	206251	7.78	401167	10.04	610842	10.95	576657	14.28	342586	16.86
Upper Limit [a]	412502	8.28	802334	10.54	1221684	11.45	1153314	14.78	685172	17.36
Lower Limit [b]	103126	7.28	200584	9.54	305421	10.45	288329	13.78	171293	16.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VU4950-MB	210648	7.77	411954	10.04	623335	10.95	586599	14.28	328112	16.86
VU4950-BS	209309	7.78	409853	10.04	623839	10.95	588844	14.28	341501	16.86
JA31616-12MS	226018	7.78	430056	10.04	649848	10.95	607393	14.29	357231	16.86
JA31616-12MSD	219134	7.78	456593	10.04	663557	10.95	625444	14.28	377037	16.86
JA31420-26	208659	7.78	480410	10.04	688368	10.95	647099	14.29	382256	16.86
JA31420-27	211587	7.78	484731	10.04	684612	10.95	644855	14.28	373608	16.86
ZZZZZZ	212076	7.78	469956	10.04	676693	10.95	640747	14.29	374626	16.86
ZZZZZZ	206482	7.78	451539	10.04	656609	10.95	622034	14.28	357876	16.86
ZZZZZZ	211238	7.78	451352	10.04	661287	10.95	628367	14.28	361737	16.86
ZZZZZZ	207812	7.78	464492	10.04	662362	10.95	641583	14.28	375018	16.86
ZZZZZZ	214780	7.78	475799	10.04	671995	10.95	641186	14.28	375449	16.86
ZZZZZZ	207164	7.78	477388	10.04	675140	10.95	642705	14.28	374388	16.86
ZZZZZZ	209893	7.77	476388	10.04	681723	10.95	647769	14.28	379062	16.86
ZZZZZZ	205932	7.78	476981	10.04	671855	10.95	648634	14.28	384304	16.86
JA31616-12	210929	7.77	481389	10.04	676346	10.95	639098	14.28	377745	16.86

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	VV4010-CC3917	**Injection Date:**	11/10/09
Lab File ID:	V96703.D	**Injection Time:**	11:53
Instrument ID:	GCMSV	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	97146	7.46	314957	9.69	479690	10.64	455291	14.05	251535	16.67
Upper Limit [a]	194292	7.96	629914	10.19	959380	11.14	910582	14.55	503070	17.17
Lower Limit [b]	48573	6.96	157479	9.19	239845	10.14	227646	13.55	125768	16.17

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VV4010-MB1	101224	7.48	290710	9.70	455343	10.64	435400	14.06	216819	16.68
VV4010-BS1	80763	7.47	327114	9.69	477894	10.64	450057	14.05	253171	16.67
JA31420-19	108696	7.47	298327	9.69	456811	10.64	421239	14.06	196767	16.68
JA31420-20	91110	7.47	308466	9.70	475535	10.64	452568	14.06	228336	16.68
JA31420-24	97268	7.47	246153	9.70	383298	10.64	363801	14.06	182651	16.68
ZZZZZZ	91732	7.47	272343	9.69	420943	10.64	406223	14.06	202222	16.68
ZZZZZZ	79769	7.47	253724	9.70	395293	10.64	375790	14.06	187065	16.68
ZZZZZZ	98611	7.47	260458	9.70	402421	10.64	383255	14.06	191360	16.68
ZZZZZZ	94389	7.47	285181	9.69	435283	10.64	423194	14.06	212792	16.68
ZZZZZZ	73454	7.47	259005	9.69	404360	10.64	386098	14.05	186010	16.68
ZZZZZZ	83290	7.47	231476	9.70	361357	10.64	346092	14.06	179177	16.68
ZZZZZZ	60189	7.47	199942	9.69	316558	10.64	313100	14.06	166062	16.68
JA31706-1MS	100871	7.46	360873	9.69	527515	10.63	510987	14.05	283704	16.67
JA31706-1MSD	109997	7.46	348422	9.69	519758	10.63	498086	14.05	277766	16.67
ZZZZZZ	87515	7.48	257176	9.70	400151	10.64	375460	14.06	192864	16.68
ZZZZZZ	100085	7.47	314765	9.69	470014	10.64	469932	14.06	252548	16.68
JA31706-1	101983	7.48	297333	9.69	462326	10.64	436896	14.06	224549	16.68
ZZZZZZ	93203	7.47	256005	9.70	389839	10.64	372938	14.06	186722	16.68
ZZZZZZ	77494	7.48	209457	9.69	323797	10.64	313557	14.06	159238	16.68

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA31420-26	U124534.D	94.0	87.0	91.0	86.0
JA31420-27	U124535.D	94.0	88.0	91.0	87.0
JA31616-12MS	U124531.D	100.0	96.0	92.0	89.0
JA31616-12MSD	U124532.D	96.0	89.0	93.0	87.0
VU4950-BS	U124530.D	102.0	100.0	102.0	89.0
VU4950-MB	U124529.D	101.0	100.0	93.0	91.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	76-120%
S2 = 1,2-Dichloroethane-D4	64-135%
S3 = Toluene-D8	76-117%
S4 = 4-Bromofluorobenzene	72-122%

Volatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA31420-1	3C56561.D	103.0	104.0	105.0	95.0
JA31420-2	3C56562.D	106.0	110.0	105.0	93.0
JA31420-3	3C56563.D	107.0	111.0	105.0	93.0
JA31420-4	3C56564.D	106.0	112.0	104.0	94.0
JA31420-5	3C56565.D	106.0	113.0	104.0	93.0
JA31420-6	3C56568.D	104.0	111.0	103.0	96.0
JA31420-7	3C56569.D	108.0	116.0	104.0	94.0
JA31420-8	3C56570.D	108.0	117.0	105.0	92.0
JA31420-9	3C56571.D	110.0	114.0	104.0	92.0
JA31420-10	3C56572.D	107.0	110.0	105.0	92.0
JA31420-11	3C56573.D	111.0	122.0	104.0	95.0
JA31420-12	3C56574.D	110.0	120.0	102.0	93.0
JA31420-13	3C56575.D	110.0	116.0	104.0	92.0
JA31420-14	3C56576.D	113.0	126.0	104.0	95.0
JA31420-15	3C56577.D	109.0	122.0	106.0	87.0
JA31420-16	3C56609.D	104.0	103.0	104.0	95.0
JA31420-17	3C56610.D	103.0	107.0	105.0	94.0
JA31420-18	3C56611.D	105.0	110.0	104.0	90.0
JA31420-19	V96706.D	88.0	78.0	92.0	80.0
JA31420-20	V96707.D	89.0	79.0	94.0	80.0
JA31420-21	3C56612.D	108.0	113.0	104.0	92.0
JA31420-22	3C56613.D	112.0	120.0	103.0	95.0
JA31420-23	3C56614.D	106.0	113.0	103.0	93.0
JA31420-24	V96708.D	91.0	82.0	92.0	75.0
JA31420-25	3C56621.D	108.0	113.0	104.0	94.0
JA31420-3DUP	3C56567.D	103.0	101.0	105.0	95.0
JA31420-4MS	3C56606.D	103.0	104.0	112.0	90.0
JA31706-1MS	V96716.D	89.0	91.0	102.0	93.0
JA31706-1MSD	V96717.D	90.0	92.0	102.0	92.0
JA32144-1DUP	3C56618.D	113.0	123.0	105.0	92.0
JA32144-2MS	3C56619.D	106.0	112.0	115.0	89.0
V3C2492-BS	3C56560.D	111.0	113.0	120.0	98.0
V3C2492-MB1	3C56559.D	105.0	106.0	105.0	93.0
V3C2494-BS	3C56608.D	101.0	104.0	111.0	91.0
V3C2494-MB1	3C56607.D	104.0	107.0	104.0	95.0
VV4010-BS1	V96705.D	91.0	99.0	106.0	98.0
VV4010-MB1	V96704.D	87.0	74.0	94.0	73.0
V3C2492-MB2	3C56605.D	107.0	110.0	103.0	95.0

Volatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	67-127%
S2 = 1,2-Dichloroethane-D4	65-132%
S3 = Toluene-D8	74-129%
S4 = 4-Bromofluorobenzene	62-138%

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2443-ICC2443
Lab FileID: 3C55795.D


```
                         Response Factor Report  MS3C

 Method       : C:\MSDCHEM\1\METHODS\M3C2443.M (RTE Integrator)
 Title        : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
 Last Update  : Fri Oct 30 12:10:50 2009
 Response via : Initial Calibration

 Calibration Files
 5   =3C55792.D   0.5 =3C55790.D   50  =3C55795.D   100 =3C55796.D
 1   =3C55791.D   200 =3C55797.D   20  =3C55794.D   10  =3C55793.D
     =                =

  Compound
            5     0.5   50    100   1     200   20    10            Avg    %RSD
 ---------------------------------------------------------------------------

 1) I   Tert Butyl Alcohol-d9 ----------------ISTD---------------------
 2)  1,4-dioxane
           0.095       0.114 0.127       0.122 0.108 0.112         0.113    9.77
 3)  tertiary butyl alcohol
           1.332       1.350 1.459       1.388 1.413 1.435         1.396    3.52

 4) I   pentafluorobenzene    ----------------ISTD---------------------
 5)  chlorodifluoromethane
           0.500       0.530 0.530       0.483 0.520 0.557         0.520    5.01
 6)  dichlorodifluoromethane
           0.644       0.706 0.680       0.611 0.674 0.785         0.683    8.72
 7)  chloromethane
           0.759       0.640 0.585             0.647 0.790         0.684   12.64
 8)  vinyl chloride
           0.648       0.612 0.588 0.667 0.533 0.605 0.715         0.624    9.40
 9)  bromomethane
           0.484       0.378 0.332             0.407 0.504         0.421   17.15
            ----- Linear regression -----  Coefficient =  0.9961
              Response Ratio = 0.03306 + 0.32110 *A

10)  chloroethane
           0.388       0.323 0.289 0.418       0.338 0.414         0.362   14.63
11)  Vinyl Bromide
           0.357 0.394 0.336 0.326 0.322 0.310 0.332 0.361         0.342    7.92
12)  trichlorofluoromethane
           0.927       0.928 0.880 1.056 0.779 0.918 1.077         0.938   10.87
13)  ethyl ether
           0.258       0.242 0.254 0.283 0.238 0.257 0.258         0.256    5.74
14)  acrolein
           0.042       0.046 0.050       0.040 0.050 0.043         0.045    9.47
15)  1,1-dichloroethene
           0.429       0.383 0.417 0.522 0.390 0.391 0.399         0.419   11.58
16)  acetone
                       0.040 0.029       0.032 0.034 0.060         0.039   31.86
            ----- Linear regression -----  Coefficient =  0.9902
              Response Ratio = 0.00436 + 0.03040 *A

17)  allyl chloride
           0.250       0.239 0.267       0.249 0.244 0.221         0.245    6.22
18)  acetonitrile
                                                                   0.000#  -1.00
19)  iodomethane
           0.762       0.694 0.756 0.815 0.727 0.731 0.731         0.745    5.11
20)  iso-butyl alcohol
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** V3C2443-ICC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C55795.D
Project: Hess-Port Reading, NJ

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                        0.009 0.010       0.010 0.008 0.008         0.009#  11.98
21)  carbon disulfide
           1.431        1.327 1.463       1.388 1.393 1.388         1.398    3.28
22)  methylene chloride
           0.567        0.437 0.460       0.433 0.474 0.511         0.480   10.60
23)  methyl acetate
           0.127        0.194 0.198       0.185 0.165 0.207         0.179   16.46
            ----- Linear regression -----  Coefficient =  0.9983
              Response Ratio = 0.00127 + 0.18712 *A

24)  methyl tert butyl ether
           1.295 1.585 1.234 1.294 1.425 1.204 1.285 1.286         1.326    9.27
25)  trans-1,2-dichloroethene
           0.482        0.438 0.471 0.570 0.439 0.468 0.468         0.477    9.31
26)  di-isopropyl ether
           1.233 1.378 1.354 1.316 1.109 1.194 1.337 1.353         1.284    7.43
27)  ethyl tert-butyl ether
           1.328        1.449 1.448 1.216 1.347 1.429 1.440         1.380    6.35
28)  2-butanone
                        0.045 0.041       0.041 0.033 0.035         0.039   12.56
29)  1,1-dichloroethane
           0.834        0.749 0.776 0.872 0.705 0.801 0.798         0.791    6.89
30)  chloroprene
           0.597        0.712 0.721 0.522 0.661 0.684 0.675         0.653   10.79
31)  acrylonitrile
           0.083        0.094 0.099       0.092 0.093 0.085         0.091    6.47
32)  vinyl acetate
                        0.060 0.066       0.063 0.046 0.049         0.057   15.59
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = -0.00405 + 0.06495 *A

33)  ethyl acetate
                        0.036 0.038       0.034 0.034 0.023         0.033   17.69
            ----- Linear regression -----  Coefficient =  0.9944
              Response Ratio = 0.00095 + 0.03430 *A

34)  2,2-dichloropropane
           0.826        0.769 0.806 0.944 0.730 0.802 0.806         0.812    8.15
35)  cis-1,2-dichloroethene
           0.512 0.693 0.474 0.503 0.556 0.464 0.504 0.491         0.525   14.00
36)  propionitrile
           0.031        0.036 0.039       0.037 0.037 0.036         0.036    7.62
37)  bromochloromethane
           0.224 0.279 0.216 0.234 0.216 0.222 0.222 0.223         0.230    9.03
38)  tetrahydrofuran
           0.071        0.093 0.100       0.091 0.103 0.107         0.094   13.39
39)  chloroform
           0.891        0.817 0.847 0.979 0.782 0.854 0.863         0.862    7.20
40)  tert-Butyl Formate
           0.329        0.370 0.391       0.362 0.363 0.349         0.361    5.83
41)  dibromofluoromethane (s)
           0.389        0.402 0.370       0.406 0.309 0.372         0.375    9.42
42)  1,2-dichloroethane-d4 (s)
           0.429        0.449 0.397 0.524 0.421 0.428 0.428         0.439    9.20
43)  freon 113
           0.365        0.386 0.387       0.381 0.371 0.420         0.385    4.93
44)  methacrylonitrile
           0.094        0.151 0.164       0.156 0.147 0.135         0.141   17.64
            ----- Linear regression -----  Coefficient =  0.9990
              Response Ratio = -0.00368 + 0.15852 *A
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** V3C2443-ICC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C55795.D
Project: Hess-Port Reading, NJ

```
45)  1,1,1-trichloroethane
           0.855       0.814 0.859 0.934 0.793 0.849 0.845         0.850    5.18
46)  tert amyl alcohol
                                                                   0.000#  -1.00
47)  tert-amyl methyl ether
           1.330       1.377 1.377 1.281 1.255 1.375 1.404         1.343    4.18

48) I   1,4-difluorobenzene   ----------------ISTD---------------------
49)  epichlorohydrin
           0.017       0.019 0.020       0.019 0.018 0.019         0.019    5.22
50)  n-butyl alcohol
           0.003       0.006 0.007       0.006 0.005 0.005         0.005#  28.46
            ----- Linear regression -----  Coefficient =  0.9991
              Response Ratio = -0.02133 + 0.00658 *A

51)  carbon tetrachloride
           0.528       0.516 0.536 0.581 0.498 0.525 0.506         0.527    5.20
52)  1,1-dichloropropene
           0.445       0.428 0.453       0.417 0.437 0.429         0.435    2.97
53)  hexane
           0.594       0.406 0.414       0.405 0.379 0.446         0.441   17.73
            ----- Linear regression -----  Coefficient =  0.9997
              Response Ratio = 0.00685 + 0.40456 *A

54)  benzene
           1.352       1.211 1.224 1.433 1.109 1.261 1.280         1.267    8.21
55)  heptane
           0.214       0.240 0.238       0.232 0.212 0.240         0.229    5.72
56)  isopropyl acetate
           0.241       0.369 0.389       0.363 0.332 0.312         0.334   16.00
            ----- Linear regression -----  Coefficient =  0.9984
              Response Ratio = -0.00437 + 0.36950 *A

57)  1,2-dichloroethane
           0.444 0.514 0.407 0.400 0.478 0.363 0.431 0.436         0.434   10.78
58)  trichloroethene
           0.331 0.424 0.318 0.334 0.366 0.316 0.326 0.333         0.344   10.46
59)  tert-amyl ethyl ether
                                                                   0.000#  -1.00
60)  2,2,4-Trimethylpentane
           0.988 1.136 1.208 1.129 0.878 1.091 1.138 1.061         1.079    9.62
61)  2-nitropropane
                       0.009 0.010       0.010 0.006               0.009#  23.49
            ----- Linear regression -----  Coefficient =  0.9969
              Response Ratio = -0.00130 + 0.01032 *A

62)  2-chloroethyl vinyl ether
           0.096       0.123 0.123       0.114 0.116 0.115         0.114    8.45
63)  methyl methacrylate
           0.197 0.339 0.395 0.401 0.266 0.377 0.356 0.243         0.322   23.78
            ----- Linear regression -----  Coefficient =  0.9931
              Response Ratio = -0.00282 + 0.38118 *A

64)  1,2-dichloropropane
           0.283 0.355 0.281 0.284 0.317 0.263 0.290 0.286         0.295    9.63
65)  methylcyclohexane
           0.503       0.563 0.562       0.552 0.517 0.545         0.540    4.57
66)  dibromomethane
           0.154       0.150 0.156 0.155 0.148 0.158 0.156         0.154    2.23
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** V3C2443-ICC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C55795.D
Project: Hess-Port Reading, NJ

```
67)  bromodichloromethane
           0.394       0.404 0.424 0.414 0.399 0.405 0.394         0.405    2.64
68)  cis-1,3-dichloropropene
           0.431 0.489 0.450 0.473 0.406 0.455 0.449 0.437         0.449    5.71
69)  toluene-d8 (s)
           0.842       0.973 0.877 0.824 0.974 0.879 0.837         0.887    7.08
70)  4-methyl-2-pentanone
           0.063       0.070 0.077       0.074 0.069 0.051         0.067   13.55
71)  toluene
           1.165       0.708 0.735 0.942 0.705 0.717 0.843         0.831   20.69
            ----- Linear regression -----  Coefficient =  0.9995
              Response Ratio = 0.02298 + 0.70337 *A

72)  3-methyl-1-butanol
           0.003       0.006 0.007       0.006 0.005 0.005         0.005#  25.73
            ----- Linear regression -----  Coefficient =  0.9985
              Response Ratio = -0.00841 + 0.00651 *A

73)  trans-1,3-dichloropropene
           0.361       0.402 0.407       0.387 0.396 0.379         0.389    4.38
74)  ethyl methacrylate
           0.177       0.231 0.249       0.242 0.211 0.192         0.217   13.25
75)  1,1,2-trichloroethane
           0.160 0.188 0.154 0.164 0.150 0.159 0.154 0.158         0.161    7.20
76)  2-hexanone
           0.027       0.058 0.058       0.058 0.040 0.040         0.047   27.79
            ----- Linear regression -----  Coefficient =  0.9993
              Response Ratio = -0.00372 + 0.05913 *A


77) I   chlorobenzene-d5      ----------------ISTD---------------------
78)  tetrachloroethene
           0.468       0.484 0.476 0.535 0.450 0.468 0.476         0.480    5.57
79)  1,3-dichloropropane
           0.532 0.604 0.495 0.509 0.514 0.467 0.521 0.526         0.521    7.54
80)  butyl acetate
           0.107       0.163 0.172       0.164 0.148 0.143         0.150   15.60
            ----- Linear regression -----  Coefficient =  0.9991
              Response Ratio = -0.00354 + 0.16657 *A

81)  dibromochloromethane
           0.370       0.391 0.420 0.350 0.396 0.403 0.382         0.387    5.86
82)  1,2-dibromoethane
           0.275       0.282 0.298 0.276 0.284 0.295 0.284         0.285    3.10
83)  3,3-Dimethyl-1-Butanol
           0.018       0.024 0.028       0.026 0.020 0.021         0.023   15.88
            ----- Linear regression -----  Coefficient =  0.9981
              Response Ratio = -0.01288 + 0.02667 *A

84)  chlorobenzene
           1.106       1.042 1.108 1.253 1.052 1.101 1.126         1.113    6.20
85)  1,1,1,2-tetrachloroethane
           0.453       0.432 0.456 0.491 0.422 0.457 0.446         0.451    4.85
86)  ethylbenzene
           2.000       1.813 1.905 2.303 1.746 1.935 1.957         1.951    9.11
87)  m,p-xylene
           0.748 0.965 0.700 0.733 0.785 0.676 0.741 0.739         0.761   11.66
88)  o-xylene
           0.687 0.927 0.688 0.718 0.714 0.669 0.710 0.712         0.728   11.28
89)  styrene
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** V3C2443-ICC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C55795.D
Project: Hess-Port Reading, NJ

```
            0.957       1.073 1.144       1.078 1.079 1.022         1.059    5.97
 90)  bromoform
            0.192       0.222 0.245       0.240 0.216 0.209         0.221    8.85

 91) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 92)  isopropylbenzene
            3.547       3.681 3.910       3.717 3.805 3.734         3.732    3.26
 93)  4-bromofluorobenzene (s)
            0.888       0.979 0.882       0.974 0.921 0.891         0.923    4.77
 94)  bromobenzene
            0.917 1.171 0.875 0.921 0.969 0.888 0.923 0.905         0.946   10.05
 95)  cyclohexanone
            0.761       1.094 0.869       0.871 0.833 0.955         0.897   12.84
 96)  1,1,2,2-tetrachloroethane
            0.613 0.825 0.582 0.628 0.644 0.602 0.611 0.616         0.640   12.02
 97)  trans-1,4-dichloro-2-butene
            0.162       0.168 0.188       0.178 0.179 0.178         0.176    5.09
 98)  1,2,3-trichloropropane
            0.207       0.192 0.201 0.257 0.190 0.205 0.210         0.209   10.78
 99)  n-propylbenzene
            4.016       3.983 4.108       3.869 4.232 4.149         4.060    3.20
100)  4-ethyltoluene
                                                                    0.000#  -1.00
101)  2-chlorotoluene
            0.910       0.853 0.874 0.961 0.825 0.902 0.873         0.886    4.96
102)  4-chlorotoluene
            0.871       0.831 0.882 0.940 0.854 0.890 0.855         0.875    4.00
103)  1,3,5-trimethylbenzene
            3.171       3.128 3.231       3.007 3.311 3.259         3.184    3.39
104)  tert-butylbenzene
            2.446 3.235 2.728 2.853 2.673 2.702 2.777 2.723         2.767    8.04
105)  pentachloroethane
            0.574       0.538 0.631       0.599 0.608 0.570         0.587    5.58
106)  1,2,4-trimethylbenzene
            3.179       3.106 3.242       3.040 3.261 3.268         3.183    2.92
107)  1,2,3-Trimethylbenzene
                                                                    0.000#  -1.00
108)  sec-butylbenzene
            3.671       3.821 3.983       3.782 3.925 3.883         3.844    2.89
109)  1,3-dichlorobenzene
            1.766       1.711 1.776 2.054 1.710 1.790 1.771         1.797    6.55
110)  p-isopropyltoluene
            3.196 3.952 3.367 3.485 3.144 3.272 3.461 3.440         3.415    7.35
111)  1,4-dichlorobenzene
            1.866       1.744 1.813 2.376 1.743 1.827 1.849         1.888   11.68
112)  1,2-dichlorobenzene
            1.630       1.610 1.669 1.766 1.575 1.662 1.661         1.653    3.63
113)  1,4-diethylbenzene
                                                                    0.000#  -1.00
114)  n-butylbenzene
            1.471       1.593 1.631       1.529 1.628 1.639         1.582    4.29
115)  1,2-dibromo-3-chloropropane
            0.106       0.115 0.125       0.117 0.115 0.120         0.116    5.21
116)  1,3,5-Trichlorobenzene
            0.663       0.681 0.692 0.815 0.654 0.688 0.693         0.698    7.68
117)  1,2,4-trichlorobenzene
            1.118       1.150 1.197 1.291 1.144 1.163 1.155         1.174    4.83
118)  hexachlorobutadiene
            0.790       0.734 0.743       0.709 0.764 0.747         0.748    3.66
119)  naphthalene
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2443-ICC2443
Lab FileID: 3C55795.D

```
            2.284       2.204 2.380       2.242 2.193 2.182         2.247    3.34
120)  1,2,3-trichlorobenzene
            1.039       1.033 1.083       1.027 1.047 1.051         1.047    1.89
121)  1,2,4,5-tetramethylbenzene
                                                                    0.000#  -1.00
122)  hexachloroethane
            0.577       0.610 0.648       0.617 0.598 0.581         0.605    4.29
123)  Pentane
                                                                    0.000#  -1.00
124)  Benzyl chloride
                                                                    0.000#  -1.00
125)  Cyclohexane
            1.419 1.878 1.389 1.477 1.590 1.382 1.396 1.357         1.486   11.76
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3C2443.M         Fri Oct 30 12:12:58 2009   MS3C
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2444-ICV2443
Lab FileID: 3C55806.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\DONE\3C55806.D Vial: 6
Acq On : 15 Oct 2009 1:52 pm Operator: NARESHJ
Sample : ICV2443-50 Inst : MS3C
Misc : MS86804,V3C2444,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3C2443.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Fri Oct 30 12:10:50 2009
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	137	0.00	7.30
2	1,4-dioxane	0.113	0.113	0.0	136	0.00	11.14
3	tertiary butyl alcohol	1.396	1.377	1.4	140	0.00	7.42
4 I	pentafluorobenzene	1.000	1.000	0.0	116	0.00	9.51
5	chlorodifluoromethane	0.520	0.549	-5.6	120	0.00	4.02
6	dichlorodifluoromethane	0.683	0.728	-6.6	120	0.00	4.00
7	chloromethane	0.684	0.630	7.9	114	0.00	4.33
8	vinyl chloride	0.624	0.643	-3.0	122	0.01	4.57
	----------	True	Calc.	% Drift	----------		
9	bromomethane	50.000	58.739	-17.5	126	0.00	5.21
	----------	AvgRF	CCRF	% Dev	----------		
10	chloroethane	0.362	0.346	4.4	124	0.00	5.38
11	Vinyl Bromide	0.342	0.336	1.8	116	0.00	5.71
12	trichlorofluoromethane	0.938	0.955	-1.8	120	0.00	5.80
13	ethyl ether	0.256	0.266	-3.9	128	0.00	6.22
14	acrolein	0.045	0.047	-4.4	118	0.00	6.47
15	1,1-dichloroethene	0.419	0.419	0.0	127	0.00	6.64
	----------	True	Calc.	% Drift	----------		
16	acetone	50.000	59.554	-19.1	117	-0.02	6.69
	----------	AvgRF	CCRF	% Dev	----------		
17	allyl chloride	0.245	0.263	-7.3	128	0.00	7.15
18	acetonitrile		----------NA----------				
19	iodomethane	0.745	0.768	-3.1	129	0.00	6.91
20	iso-butyl alcohol	0.009	0.011	-22.2#	134	0.00	9.80
21	carbon disulfide	1.398	1.464	-4.7	128	0.00	7.04
22	methylene chloride	0.480	0.462	3.7	123	0.00	7.33
	----------	True	Calc.	% Drift	----------		
23	methyl acetate	50.000	53.083	-6.2	120	0.00	7.15
	----------	AvgRF	CCRF	% Dev	----------		
24	methyl tert butyl ether	1.326	1.343	-1.3	127	0.00	7.66
25	trans-1,2-dichloroethene	0.477	0.482	-1.0	128	0.00	7.71
26	di-isopropyl ether	1.284	1.311	-2.1	113	0.00	8.25
27	ethyl tert-butyl ether	1.380	1.422	-3.0	114	0.00	8.71
28	2-butanone	0.039	0.048	-23.1#	123	0.00	8.98
29	1,1-dichloroethane	0.791	0.803	-1.5	125	0.00	8.26

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2444-ICV2443
Lab FileID: 3C55806.D

30		chloroprene	0.653	0.706	-8.1	115	0.00	8.37
31		acrylonitrile	0.091	0.104	-14.3	129	0.00	7.66
		----------	True	Calc.	% Drift	----------		
32		vinyl acetate	50.000	52.504	-5.0	125	0.00	8.26
33		ethyl acetate	50.000	53.877	-7.8	122	-0.01	8.98
		----------	AvgRF	CCRF	% Dev	----------		
34		2,2-dichloropropane	0.812	0.853	-5.0	129	0.00	8.99
35		cis-1,2-dichloroethene	0.525	0.513	2.3	126	0.00	8.99
36		propionitrile	0.036	0.042	-16.7	135	0.00	9.04
37		bromochloromethane	0.230	0.237	-3.0	128	0.00	9.30
38		tetrahydrofuran	0.094	0.104	-10.6	130	0.00	9.36
39		chloroform	0.862	0.864	-0.2	123	0.00	9.36
40		tert-Butyl Formate	0.361	0.391	-8.3	123	0.00	9.39
41	S	dibromofluoromethane (s)	0.375	0.409	-9.1	118	0.00	9.55
42	S	1,2-dichloroethane-d4 (s)	0.439	0.417	5.0	108	0.00	9.97
43		freon 113	0.385	0.389	-1.0	117	0.00	6.60
		----------	True	Calc.	% Drift	----------		
44		methacrylonitrile	50.000	53.153	-6.3	127	0.00	9.24
		----------	AvgRF	CCRF	% Dev	----------		
45		1,1,1-trichloroethane	0.850	0.883	-3.9	126	0.00	9.61
46		tert amyl alcohol	0.000	0.000#	0.0	121	0.00	9.97
47		tert-amyl methyl ether	1.343	1.370	-2.0	116	0.00	10.08
48	I	1,4-difluorobenzene	1.000	1.000	0.0	115	0.00	10.42
49		epichlorohydrin	0.019	0.022	-15.8	134	0.00	11.67
		----------	True	Calc.	% Drift	----------		
50		n-butyl alcohol	2500.000	2831.508	-13.3	135	0.00	10.54
		----------	AvgRF	CCRF	% Dev	----------		
51		carbon tetrachloride	0.527	0.567	-7.6	126	0.00	9.82
52		1,1-dichloropropene	0.435	0.478	-9.9	128	0.00	9.79
		----------	True	Calc.	% Drift	----------		
53		hexane	50.000	48.702	2.6	114	0.00	8.01
		----------	AvgRF	CCRF	% Dev	----------		
54		benzene	1.267	1.326	-4.7	126	0.00	10.05
55		heptane	0.229	0.231	-0.9	111	0.00	10.22
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate	50.000	53.741	-7.5	122	0.00	9.97
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane	0.434	0.430	0.9	122	0.00	10.06
58		trichloroethene	0.344	0.355	-3.2	128	0.00	10.77
59		tert-amyl ethyl ether	0.000	0.000#	0.0	122	0.00	11.14
60		2,2,4-Trimethylpentane	1.079	1.130	-4.7	108	0.00	10.05
		----------	True	Calc.	% Drift	----------		
61		2-nitropropane	50.000	58.863	-17.7	143	0.00	11.88
		----------	AvgRF	CCRF	% Dev	----------		
62		2-chloroethyl vinyl ether	0.114	0.128	-12.3	120	0.00	11.54
		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2444-ICV2443
Lab FileID: 3C55806.D

63		methyl methacrylate	50.000	54.795	-9.6	121	0.00	11.03
		----------	AvgRF	CCRF	% Dev	----------		
64		1,2-dichloropropane	0.295	0.296	-0.3	121	0.00	11.02
65		methylcyclohexane	0.540	0.560	-3.7	114	0.00	10.99
66		dibromomethane	0.154	0.162	-5.2	124	0.00	11.18
67		bromodichloromethane	0.405	0.433	-6.9	123	0.00	11.31
68		cis-1,3-dichloropropene	0.449	0.496	-10.5	127	0.00	11.77
69	S	toluene-d8 (s)	0.887	1.016	-14.5	120	0.00	12.05
70		4-methyl-2-pentanone	0.067	0.082	-22.4#	136	0.00	11.86
		----------	True	Calc.	% Drift	----------		
71		toluene	50.000	53.865	-7.7	127	0.00	12.13
72		3-methyl-1-butanol	1000.000	1137.755	-13.8	138	0.00	11.88
		----------	AvgRF	CCRF	% Dev	----------		
73		trans-1,3-dichloropropene	0.389	0.434	-11.6	124	0.00	12.32
74		ethyl methacrylate	0.217	0.263	-21.2#	131	0.00	12.32
75		1,1,2-trichloroethane	0.161	0.171	-6.2	127	0.00	12.53
		----------	True	Calc.	% Drift	----------		
76		2-hexanone	50.000	59.111	-18.2	131	0.00	12.71
		----------	AvgRF	CCRF	% Dev	----------		
77	I	chlorobenzene-d5	1.000	1.000	0.0	117	0.00	13.56
78		tetrachloroethene	0.480	0.510	-6.3	123	0.00	12.71
79		1,3-dichloropropane	0.521	0.542	-4.0	128	0.00	12.71
		----------	True	Calc.	% Drift	----------		
80		butyl acetate	50.000	52.547	-5.1	123	0.00	12.78
		----------	AvgRF	CCRF	% Dev	----------		
81		dibromochloromethane	0.387	0.428	-10.6	128	0.00	12.97
82		1,2-dibromoethane	0.285	0.312	-9.5	130	0.00	13.13
		----------	True	Calc.	% Drift	----------		
83		3,3-Dimethyl-1-Butanol	500.000	554.933	-11.0	137	0.00	12.88
		----------	AvgRF	CCRF	% Dev	----------		
84		chlorobenzene	1.113	1.173	-5.4	131	0.00	13.59
85		1,1,1,2-tetrachloroethane	0.451	0.476	-5.5	129	0.00	13.64
86		ethylbenzene	1.951	2.050	-5.1	132	0.00	13.64
87		m,p-xylene	0.761	0.797	-4.7	133	0.00	13.74
88		o-xylene	0.728	0.776	-6.6	132	0.00	14.16
89		styrene	1.059	1.204	-13.7	131	0.00	14.17
90		bromoform	0.221	0.254	-14.9	134	0.00	14.43
91	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	15.85
92		isopropylbenzene	3.732	4.079	-9.3	130	0.00	14.49
93	S	4-bromofluorobenzene (s)	0.923	0.958	-3.8	115	0.00	14.70
94		bromobenzene	0.946	0.974	-3.0	131	0.00	14.89
95		cyclohexanone	0.897	1.241	-38.4#	133	0.00	14.64
96		1,1,2,2-tetrachloroethane	0.640	0.669	-4.5	135	0.00	14.79
97		trans-1,4-dichloro-2-bute	0.176	0.198	-12.5	138	0.00	14.83
98		1,2,3-trichloropropane	0.209	0.215	-2.9	132	0.00	14.86
99		n-propylbenzene	4.060	4.418	-8.8	130	0.00	14.90
100		4-ethyltoluene		----------NA----------				
101		2-chlorotoluene	0.886	0.931	-5.1	128	0.00	15.05
102		4-chlorotoluene	0.875	0.939	-7.3	133	0.00	15.14

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2444-ICV2443
Lab FileID: 3C55806.D

103	1,3,5-trimethylbenzene	3.184	3.440	-8.0	129	0.00	15.05
104	tert-butylbenzene	2.767	2.986	-7.9	128	0.00	15.39
105	pentachloroethane	0.587	0.663	-12.9	145	0.00	15.47
106	1,2,4-trimethylbenzene	3.183	3.455	-8.5	131	0.00	15.44
107	1,2,3-Trimethylbenzene		----------NA----------				
108	sec-butylbenzene	3.844	4.249	-10.5	130	0.00	15.61
109	1,3-dichlorobenzene	1.797	1.905	-6.0	131	0.00	15.79
110	p-isopropyltoluene	3.415	3.742	-9.6	130	0.00	15.72
111	1,4-dichlorobenzene	1.888	1.950	-3.3	131	0.00	15.87
112	1,2-dichlorobenzene	1.653	1.773	-7.3	129	0.00	16.26
113	1,4-diethylbenzene		----------NA----------				
114	n-butylbenzene	1.582	1.780	-12.5	131	0.00	16.13
115	1,2-dibromo-3-chloropropa	0.116	0.135	-16.4	138	0.00	17.02
116	1,3,5-Trichlorobenzene	0.698	0.793	-13.6	137	0.00	17.22
117	1,2,4-trichlorobenzene	1.174	1.340	-14.1	137	0.00	17.84
118	hexachlorobutadiene	0.748	0.819	-9.5	131	0.00	17.96
119	naphthalene	2.247	2.534	-12.8	135	0.00	18.12
120	1,2,3-trichlorobenzene	1.047	1.175	-12.2	133	0.00	18.36
121	1,2,4,5-tetramethylbenzen		----------NA----------				
122	hexachloroethane	0.605	0.678	-12.1	130	0.00	16.52
123	Pentane	0.000	0.000#	0.0	189	0.02	5.92
124	Benzyl chloride	0.000	0.000#	0.0	134	0.00	15.98
125	Cyclohexane	1.486	1.487	-0.1	126	0.00	9.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C55795.D M3C2443.M Fri Oct 30 12:33:54 2009 MS3C

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2492-CC2443
Lab FileID: 3C56558.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3c\3c56558.d Vial: 2
Acq On : 7 Nov 2009 3:18 pm Operator: DIPAP
Sample : cc2443-20 Inst : MS3C
Misc : MS88151,V3C2492,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3C2443.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 19 14:54:39 2009
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	86	0.00	7.30
2	1,4-dioxane	0.113	0.109	3.5	86	0.00	11.15
3	tertiary butyl alcohol	1.396	1.344	3.7	82	0.01	7.43
4 I	pentafluorobenzene	1.000	1.000	0.0	80	0.00	9.51
5	chlorodifluoromethane	0.520	0.524	-0.8	81	0.00	4.00
6	dichlorodifluoromethane	0.683	0.624	8.6	74	0.01	4.00
7	chloromethane	0.684	0.625	8.6	77	0.00	4.32
8	vinyl chloride	0.624	0.586	6.1	78	0.00	4.56
	----------	True	Calc.	% Drift	----------		
9	bromomethane	20.000	17.728	11.4	72	0.00	5.21
	----------	AvgRF	CCRF	% Dev	----------		
10	chloroethane	0.362	0.320	11.6	76	0.00	5.38
11	Vinyl Bromide		----------NA----------				
12	trichlorofluoromethane	0.938	0.840	10.4	73	0.01	5.81
13	ethyl ether	0.256	0.231	9.8	72	0.01	6.23
14	acrolein	0.045	0.062	-37.8#	98	0.02	6.48
15	1,1-dichloroethene	0.419	0.367	12.4	75	0.00	6.64
	----------	True	Calc.	% Drift	----------		
16	acetone	20.000	19.438	2.8	95	0.03	6.73
	----------	AvgRF	CCRF	% Dev	----------		
17	allyl chloride	0.245	0.230	6.1	76	0.00	7.15
18	acetonitrile	0.000	0.025	0.0	0#	0.04	7.15
19	iodomethane	0.745	0.665	10.7	73	0.00	6.91
20	iso-butyl alcohol	0.009	0.009#	0.0	87	0.02	9.82
21	carbon disulfide	1.398	1.290	7.7	74	0.00	7.04
22	methylene chloride	0.480	0.434	9.6	73	0.00	7.34
	----------	True	Calc.	% Drift	----------		
23	methyl acetate	20.000	18.138	9.3	84	0.03	7.17
	----------	AvgRF	CCRF	% Dev	----------		
24	methyl tert butyl ether	1.326	1.248	5.9	78	0.00	7.67
25	trans-1,2-dichloroethene	0.477	0.419	12.2	72	0.01	7.72
26	di-isopropyl ether	1.284	1.305	-1.6	78	0.00	8.25
27	ethyl tert-butyl ether	1.380	1.345	2.5	75	0.00	8.71
28	2-butanone	0.039	0.043	-10.3	103	0.02	9.00
29	1,1-dichloroethane	0.791	0.796	-0.6	80	0.00	8.26

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2492-CC2443
Lab FileID: 3C56558.D

30		chloroprene	0.653	0.660	-1.1	77	0.00	8.38
31		acrylonitrile	0.091	0.100	-9.9	86	0.02	7.67
		----------	True	Calc.	% Drift	----------		
32		vinyl acetate	20.000	15.714	21.4#	71	0.03	8.29
33		ethyl acetate	20.000	19.550	2.2	83	0.01	9.00
		----------	AvgRF	CCRF	% Dev	----------		
34		2,2-dichloropropane	0.812	0.834	-2.7	83	0.00	8.99
35		cis-1,2-dichloroethene	0.525	0.454	13.5	72	0.00	9.00
36		propionitrile	0.036	0.038	-5.6	82	0.01	9.06
37		bromochloromethane	0.230	0.206	10.4	74	0.00	9.30
38		tetrahydrofuran	0.094	0.095	-1.1	74	0.01	9.38
39		chloroform	0.862	0.827	4.1	78	0.00	9.36
40		tert-Butyl Formate	0.361	0.348	3.6	77	0.00	9.39
41	S	dibromofluoromethane (s)	0.375	0.385	-2.7	100	0.00	9.55
42	S	1,2-dichloroethane-d4 (s)	0.439	0.448	-2.1	84	0.00	9.97
43		freon 113	0.385	0.342	11.2	74	0.00	6.61
		----------	True	Calc.	% Drift	----------		
44		methacrylonitrile	20.000	20.852	-4.3	85	0.02	9.26
		----------	AvgRF	CCRF	% Dev	----------		
45		1,1,1-trichloroethane	0.850	0.839	1.3	79	0.00	9.61
46		tert amyl alcohol		----------NA----------				
47		tert-amyl methyl ether	1.343	1.267	5.7	74	0.00	10.08
48	I	1,4-difluorobenzene	1.000	1.000	0.0	82	0.00	10.42
49		epichlorohydrin	0.019	0.019	0.0	84	0.01	11.68
		----------	True	Calc.	% Drift	----------		
50		n-butyl alcohol	1000.000	906.339	9.4	82	0.02	10.56
		----------	AvgRF	CCRF	% Dev	----------		
51		carbon tetrachloride	0.527	0.524	0.6	82	0.00	9.82
52		1,1-dichloropropene	0.435	0.422	3.0	79	0.00	9.79
		----------	True	Calc.	% Drift	----------		
53		hexane	20.000	17.205	14.0	79	0.00	8.01
		----------	AvgRF	CCRF	% Dev	----------		
54		benzene	1.267	1.193	5.8	77	0.00	10.05
55		heptane	0.229	0.219	4.4	85	0.00	10.23
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate	20.000	18.657	6.7	82	0.00	9.98
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane	0.434	0.450	-3.7	85	0.00	10.06
58		trichloroethene	0.344	0.309	10.2	77	0.00	10.77
59		tert-amyl ethyl ether		----------NA----------				
60		2,2,4-Trimethylpentane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
61		2-nitropropane	20.000	21.145	-5.7	108	0.00	11.89
		----------	AvgRF	CCRF	% Dev	----------		
62		2-chloroethyl vinyl ether	0.114	0.092	19.3	65	0.00	11.55
		----------	True	Calc.	% Drift	----------		

Continuing Calibration Summary

Job Number: JA31420 **Sample:** V3C2492-CC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C56558.D
Project: Hess-Port Reading, NJ

63		methyl methacrylate	20.000	21.317	-6.6	92	0.01	11.04
		----------	AvgRF	CCRF	% Dev	----------		
64		1,2-dichloropropane	0.295	0.285	3.4	80	0.00	11.02
65		methylcyclohexane	0.540	0.494	8.5	78	0.00	10.99
66		dibromomethane	0.154	0.152	1.3	79	0.00	11.19
67		bromodichloromethane	0.405	0.407	-0.5	82	0.00	11.31
68		cis-1,3-dichloropropene	0.449	0.466	-3.8	85	0.00	11.77
69	S	toluene-d8 (s)	0.887	0.978	-10.3	91	0.00	12.05
70		4-methyl-2-pentanone	0.067	0.078	-16.4	92	0.00	11.87
		----------	True	Calc.	% Drift	----------		
71		toluene	20.000	18.847	5.8	82	0.00	12.13
72		3-methyl-1-butanol	400.000	413.482	-3.4	99	0.00	11.89
		----------	AvgRF	CCRF	% Dev	----------		
73		trans-1,3-dichloropropene	0.389	0.433	-11.3	89	0.00	12.33
74		ethyl methacrylate	0.217	0.246	-13.4	95	0.00	12.32
75		1,1,2-trichloroethane	0.161	0.168	-4.3	89	0.00	12.53
		----------	True	Calc.	% Drift	----------		
76		2-hexanone	20.000	27.373	-36.9#	145	0.01	12.72
		----------	AvgRF	CCRF	% Dev	----------		
77	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	13.56
78		tetrachloroethene	0.480	0.424	11.7	87	0.00	12.72
79		1,3-dichloropropane	0.521	0.487	6.5	89	0.00	12.71
		----------	True	Calc.	% Drift	----------		
80		butyl acetate	20.000	17.680	11.6	89	0.01	12.79
		----------	AvgRF	CCRF	% Dev	----------		
81		dibromochloromethane	0.387	0.372	3.9	88	0.00	12.98
82		1,2-dibromoethane	0.285	0.262	8.1	85	0.00	13.13
		----------	True	Calc.	% Drift	----------		
83		3,3-Dimethyl-1-Butanol	200.000	177.055	11.5	97	0.00	12.88
		----------	AvgRF	CCRF	% Dev	----------		
84		chlorobenzene	1.113	0.993	10.8	86	0.00	13.59
85		1,1,1,2-tetrachloroethane	0.451	0.418	7.3	87	0.00	13.64
86		ethylbenzene	1.951	1.768	9.4	87	0.00	13.64
87		m,p-xylene	0.761	0.680	10.6	88	0.00	13.74
88		o-xylene	0.728	0.644	11.5	87	0.00	14.16
89		styrene	1.059	1.008	4.8	89	0.00	14.17
90		bromoform	0.221	0.209	5.4	92	0.00	14.43
91	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	15.85
92		isopropylbenzene	3.732	3.301	11.5	86	0.00	14.49
93	S	4-bromofluorobenzene (s)	0.923	0.848	8.1	91	0.00	14.70
94		bromobenzene	0.946	0.807	14.7	87	0.00	14.89
95		cyclohexanone	0.897	0.895	0.2	107	0.00	14.65
96		1,1,2,2-tetrachloroethane	0.640	0.582	9.1	95	0.00	14.79
97		trans-1,4-dichloro-2-bute	0.176	0.188	-6.8	104	0.00	14.83
98		1,2,3-trichloropropane	0.209	0.186	11.0	90	0.00	14.86
99		n-propylbenzene	4.060	3.805	6.3	89	0.00	14.90
100		4-ethyltoluene		----------NA----------				
101		2-chlorotoluene	0.883	0.795	10.0	88	0.00	15.05
102		4-chlorotoluene	0.875	0.793	9.4	89	0.00	15.15

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2492-CC2443
Lab FileID: 3C56558.D

103	1,3,5-trimethylbenzene	3.184	2.895	9.1	87	0.00	15.05
104	tert-butylbenzene	2.767	2.438	11.9	87	0.00	15.39
105	pentachloroethane	0.587	0.554	5.6	91	0.00	15.47
106	1,2,4-trimethylbenzene	3.183	2.873	9.7	88	0.00	15.44
107	1,2,3-Trimethylbenzene	0.000	0.132	0.0	0#	-0.16	15.72
108	sec-butylbenzene	3.844	3.513	8.6	89	0.00	15.60
109	1,3-dichlorobenzene	1.797	1.606	10.6	89	0.00	15.79
110	p-isopropyltoluene	3.415	3.093	9.4	89	0.00	15.72
111	1,4-dichlorobenzene	1.888	1.637	13.3	89	0.00	15.87
112	1,2-dichlorobenzene	1.653	1.502	9.1	90	0.00	16.26
113	1,4-diethylbenzene		----------NA----------				
114	n-butylbenzene	1.582	1.522	3.8	93	0.00	16.13
115	1,2-dibromo-3-chloropropa	0.116	0.118	-1.7	102	0.00	17.02
116	1,3,5-Trichlorobenzene	0.698	0.695	0.4	100	0.00	17.22
117	1,2,4-trichlorobenzene	1.174	1.163	0.9	99	0.00	17.84
118	hexachlorobutadiene	0.748	0.761	-1.7	99	0.00	17.96
119	naphthalene	2.247	2.052	8.7	93	0.00	18.12
120	1,2,3-trichlorobenzene	1.047	1.021	2.5	97	0.00	18.36
121	1,2,4,5-tetramethylbenzen		----------NA----------				
122	hexachloroethane	0.605	0.564	6.8	94	0.00	16.52
123	Pentane		----------NA----------				
124	Benzyl chloride		----------NA----------				
125	Cyclohexane	1.486	1.122	24.5#	80	0.00	9.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C55794.D M3C2443.M Tue Nov 10 11:29:45 2009 VOA-06

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2494-CC2443
Lab FileID: 3C56604.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3c\3c56604.d Vial: 2
Acq On : 9 Nov 2009 8:57 am Operator: DIPAP
Sample : cc2443-20 Inst : MS3C
Misc : MS87942,V3C2494,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3C2443.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Mon Oct 19 14:54:39 2009
Response via : Single Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	99	0.00	7.30
2	1,4-dioxane	0.113	0.102	9.7	92	0.00	11.15
3	tertiary butyl alcohol	1.396	1.232	11.7	86	0.00	7.43
4 I	pentafluorobenzene	1.000	1.000	0.0	88	0.00	9.50
5	chlorodifluoromethane	0.520	0.658	-26.5#	111	0.00	4.00
6	dichlorodifluoromethane	0.683	0.670	1.9	87	0.00	3.99
7	chloromethane	0.684	0.669	2.2	91	0.00	4.32
8	vinyl chloride	0.624	0.631	-1.1	91	0.00	4.56
	----------	True	Calc.	% Drift	----------		
9	bromomethane	20.000	18.932	5.3	83	0.00	5.20
	----------	AvgRF	CCRF	% Dev	----------		
10	chloroethane	0.362	0.344	5.0	89	0.00	5.38
11	Vinyl Bromide		----------NA----------				
12	trichlorofluoromethane	0.938	0.943	-0.5	90	0.00	5.80
13	ethyl ether	0.256	0.247	3.5	84	0.00	6.23
14	acrolein	0.045	0.055	-22.2#	96	0.01	6.47
15	1,1-dichloroethene	0.419	0.380	9.3	85	0.00	6.63
	----------	True	Calc.	% Drift	----------		
16	acetone	20.000	30.608	-53.0#	147	0.00	6.71
	----------	AvgRF	CCRF	% Dev	----------		
17	allyl chloride	0.245	0.254	-3.7	91	0.00	7.15
18	acetonitrile	0.000	0.024	0.0	0#	0.04	7.15
19	iodomethane	0.745	0.690	7.4	83	0.00	6.91
20	iso-butyl alcohol	0.009	0.009#	0.0	95	0.01	9.81
21	carbon disulfide	1.398	1.308	6.4	82	0.00	7.04
22	methylene chloride	0.480	0.435	9.4	80	0.00	7.33
	----------	True	Calc.	% Drift	----------		
23	methyl acetate	20.000	17.866	10.7	91	0.03	7.17
	----------	AvgRF	CCRF	% Dev	----------		
24	methyl tert butyl ether	1.326	1.248	5.9	85	0.00	7.66
25	trans-1,2-dichloroethene	0.477	0.446	6.5	83	0.00	7.71
26	di-isopropyl ether	1.284	1.258	2.0	82	0.00	8.25
27	ethyl tert-butyl ether	1.380	1.299	5.9	80	0.00	8.71
28	2-butanone	0.039	0.049	-25.6#	130	0.02	9.00
29	1,1-dichloroethane	0.791	0.809	-2.3	88	0.00	8.26

Continuing Calibration Summary

Job Number: JA31420 **Sample:** V3C2494-CC2443
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3C56604.D
Project: Hess-Port Reading, NJ

30		chloroprene	0.653	0.642	1.7	82	0.00	8.38
31		acrylonitrile	0.091	0.104	-14.3	98	0.01	7.67
		----------	True	Calc.	% Drift	----------		
32		vinyl acetate	20.000	15.306	23.5#	75	0.03	8.29
33		ethyl acetate	20.000	16.912	15.4	80	0.02	9.01
		----------	AvgRF	CCRF	% Dev	----------		
34		2,2-dichloropropane	0.812	0.839	-3.3	92	0.00	8.99
35		cis-1,2-dichloroethene	0.525	0.464	11.6	81	0.00	8.99
36		propionitrile	0.036	0.039	-8.3	90	0.01	9.06
37		bromochloromethane	0.230	0.212	7.8	84	0.00	9.30
38		tetrahydrofuran	0.094	0.108	-14.9	92	0.00	9.37
39		chloroform	0.862	0.828	3.9	85	0.00	9.35
40		tert-Butyl Formate	0.361	0.316	12.5	76	0.00	9.39
41	S	dibromofluoromethane (s)	0.375	0.368	1.9	104	0.00	9.55
42	S	1,2-dichloroethane-d4 (s)	0.439	0.423	3.6	86	0.00	9.97
43		freon 113	0.385	0.357	7.3	84	0.00	6.60
		----------	True	Calc.	% Drift	----------		
44		methacrylonitrile	20.000	20.475	-2.4	91	0.01	9.26
		----------	AvgRF	CCRF	% Dev	----------		
45		1,1,1-trichloroethane	0.850	0.833	2.0	86	0.00	9.61
46		tert amyl alcohol		----------NA----------				
47		tert-amyl methyl ether	1.343	1.211	9.8	77	0.00	10.08
48	I	1,4-difluorobenzene	1.000	1.000	0.0	88	0.00	10.42
49		epichlorohydrin	0.019	0.016	15.8	79	0.00	11.68
		----------	True	Calc.	% Drift	----------		
50		n-butyl alcohol	1000.000	828.431	17.2	79	0.02	10.56
		----------	AvgRF	CCRF	% Dev	----------		
51		carbon tetrachloride	0.527	0.534	-1.3	90	0.00	9.81
52		1,1-dichloropropene	0.435	0.437	-0.5	88	0.00	9.79
		----------	True	Calc.	% Drift	----------		
53		hexane	20.000	18.266	8.7	90	0.00	8.01
		----------	AvgRF	CCRF	% Dev	----------		
54		benzene	1.267	1.212	4.3	85	0.00	10.05
55		heptane	0.229	0.224	2.2	93	0.00	10.22
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate	20.000	17.166	14.2	81	0.00	9.97
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane	0.434	0.432	0.5	88	0.00	10.06
58		trichloroethene	0.344	0.304	11.6	82	0.00	10.77
59		tert-amyl ethyl ether		----------NA----------				
60		2,2,4-Trimethylpentane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
61		2-nitropropane	20.000	19.468	2.7	103	0.00	11.89
		----------	AvgRF	CCRF	% Dev	----------		
62		2-chloroethyl vinyl ether	0.114	0.091	20.2#	69	0.00	11.55
		----------	True	Calc.	% Drift	----------		

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2494-CC2443
Lab FileID: 3C56604.D

63		methyl methacrylate	20.000	20.198	-1.0	94	0.00	11.03
		----------	AvgRF	CCRF	% Dev	----------		
64		1,2-dichloropropane	0.295	0.282	4.4	86	0.00	11.02
65		methylcyclohexane	0.540	0.503	6.9	86	0.00	10.98
66		dibromomethane	0.154	0.154	0.0	86	0.00	11.19
67		bromodichloromethane	0.405	0.400	1.2	87	0.00	11.31
68		cis-1,3-dichloropropene	0.449	0.463	-3.1	91	0.00	11.77
69	S	toluene-d8 (s)	0.887	0.953	-7.4	95	0.00	12.05
70		4-methyl-2-pentanone	0.067	0.068	-1.5	86	0.00	11.87
		----------	True	Calc.	% Drift	----------		
71		toluene	20.000	18.612	6.9	87	0.00	12.13
72		3-methyl-1-butanol	400.000	335.073	16.2	83	0.00	11.89
		----------	AvgRF	CCRF	% Dev	----------		
73		trans-1,3-dichloropropene	0.389	0.429	-10.3	95	0.00	12.33
74		ethyl methacrylate	0.217	0.223	-2.8	93	0.00	12.32
75		1,1,2-trichloroethane	0.161	0.163	-1.2	93	0.00	12.53
		----------	True	Calc.	% Drift	----------		
76		2-hexanone	20.000	27.633	-38.2#	159	0.01	12.72
		----------	AvgRF	CCRF	% Dev	----------		
77	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	13.55
78		tetrachloroethene	0.480	0.439	8.5	94	0.00	12.71
79		1,3-dichloropropane	0.521	0.506	2.9	97	0.00	12.71
		----------	True	Calc.	% Drift	----------		
80		butyl acetate	20.000	15.594	22.0#	82	0.01	12.79
		----------	AvgRF	CCRF	% Dev	----------		
81		dibromochloromethane	0.387	0.362	6.5	90	0.00	12.97
82		1,2-dibromoethane	0.285	0.264	7.4	89	0.00	13.13
		----------	True	Calc.	% Drift	----------		
83		3,3-Dimethyl-1-Butanol	200.000	157.042	21.5#	88	0.00	12.88
		----------	AvgRF	CCRF	% Dev	----------		
84		chlorobenzene	1.113	1.024	8.0	93	0.00	13.59
85		1,1,1,2-tetrachloroethane	0.451	0.415	8.0	91	0.00	13.64
86		ethylbenzene	1.951	1.804	7.5	93	0.00	13.64
87		m,p-xylene	0.761	0.701	7.9	94	0.00	13.74
88		o-xylene	0.728	0.661	9.2	93	0.00	14.16
89		styrene	1.059	1.000	5.6	92	0.00	14.17
90		bromoform	0.221	0.206	6.8	95	0.00	14.43
91	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	15.85
92		isopropylbenzene	3.732	3.439	7.9	93	0.00	14.49
93	S	4-bromofluorobenzene (s)	0.923	0.838	9.2	94	0.00	14.70
94		bromobenzene	0.946	0.808	14.6	90	0.00	14.89
95		cyclohexanone	0.897	1.069	-19.2	132	0.00	14.65
96		1,1,2,2-tetrachloroethane	0.640	0.565	11.7	95	0.00	14.79
97		trans-1,4-dichloro-2-bute	0.176	0.187	-6.3	107	0.00	14.83
98		1,2,3-trichloropropane	0.209	0.182	12.9	92	0.00	14.86
99		n-propylbenzene	4.060	3.873	4.6	94	0.00	14.89
100		4-ethyltoluene		----------NA----------				
101		2-chlorotoluene	0.883	0.810	8.3	93	0.00	15.04
102		4-chlorotoluene	0.875	0.779	11.0	90	0.00	15.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: V3C2494-CC2443
Lab FileID: 3C56604.D

103	1,3,5-trimethylbenzene	3.184	2.952	7.3	92	0.00	15.05
104	tert-butylbenzene	2.767	2.494	9.9	93	0.00	15.39
105	pentachloroethane	0.587	0.536	8.7	91	0.00	15.47
106	1,2,4-trimethylbenzene	3.183	2.888	9.3	91	0.00	15.43
107	1,2,3-Trimethylbenzene	0.000	0.128	0.0	0#	-0.16	15.72
108	sec-butylbenzene	3.844	3.582	6.8	94	0.00	15.60
109	1,3-dichlorobenzene	1.797	1.573	12.5	91	0.00	15.79
110	p-isopropyltoluene	3.415	3.145	7.9	94	0.00	15.72
111	1,4-dichlorobenzene	1.888	1.629	13.7	92	0.00	15.87
112	1,2-dichlorobenzene	1.653	1.498	9.4	93	0.00	16.26
113	1,4-diethylbenzene		----------NA----------				
114	n-butylbenzene	1.582	1.519	4.0	96	0.00	16.13
115	1,2-dibromo-3-chloropropa	0.116	0.112	3.4	101	0.00	17.02
116	1,3,5-Trichlorobenzene	0.698	0.671	3.9	101	0.00	17.21
117	1,2,4-trichlorobenzene	1.174	1.141	2.8	101	0.00	17.84
118	hexachlorobutadiene	0.748	0.747	0.1	101	0.00	17.95
119	naphthalene	2.247	2.103	6.4	99	0.00	18.11
120	1,2,3-trichlorobenzene	1.047	1.003	4.2	99	0.00	18.36
121	1,2,4,5-tetramethylbenzen		----------NA----------				
122	hexachloroethane	0.605	0.549	9.3	95	0.00	16.52
123	Pentane		----------NA----------				
124	Benzyl chloride		----------NA----------				
125	Cyclohexane	1.486	1.238	16.7	91	0.00	9.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C55794.D M3C2443.M Tue Nov 10 11:56:11 2009 VOA-06

5.9.4

5

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4883-ICC4883
Lab FileID: U123042.D

Response Factor Report GCMSU

```
Method       : C:\HPCHEM\2\METHODS\MU4883.M (RTE Integrator)
Title        : SW-846  8260B, DB624  60m x 250um x 1.40um
Last Update  : Wed Dec 02 08:50:38 2009
Response via : Initial Calibration

Calibration Files
5   =U123040.D   2   =U123039.D   20  =U123041.D   50  =U123042.D
100 =U123043.D   1   =U123038.D   200 =U123044.D   0.5 =U123037.D
```

Compound	5	2	20	50	100	1	200	0.5	Avg	%RSD
1) I Tert Butyl Alcohol-d9 ----------ISTD----------										
2) tertiary but	1.006	0.999	1.009	0.982	1.059	0.715	1.138		0.987	13.29
3) Ethanol	0.117	0.090	0.122	0.113	0.118	0.093	0.122		0.111	12.17
4) I pentafluorobenzene ----------ISTD----------										
5) freon 115									0.000	-1.00
6) freon 23									0.000	-1.00
7) freon 143A									0.000	-1.00
8) freon 152A									0.000	-1.00
9) chlorotriflu									0.000	-1.00
10) chlorodifluo									0.000	-1.00
11) dichlorodifl	0.564	0.620	0.528	0.523	0.525	0.351	0.567		0.525	16.01
----- Linear regression ----- Coefficient = 0.9985										
Response Ratio = -0.01592 + 0.56251 *A										
12) freon 142B									0.000	-1.00
13) freon 114									0.000	-1.00
14) chloromethan	0.719	0.860	0.732	0.670	0.714	0.601	0.755		0.722	10.99
15) vinyl chlori	0.671	0.785	0.696	0.651	0.694	0.490	0.732	0.645	0.670	12.82
16) acetaldehyde									0.000	-1.00
17) bromomethane	0.413	0.506	0.440	0.405	0.421	0.333	0.350		0.410	14.00
18) chloroethane	0.366	0.430	0.383	0.348	0.363	0.286	0.370	0.334	0.360	11.48
19) trichloroflu	0.594	0.708	0.627	0.574	0.595	0.429	0.651		0.597	14.49
20) pentane									0.000	-1.00
21) freon 123A									0.000	-1.00
22) ethyl ether	0.265	0.249	0.296	0.268	0.290	0.253	0.296		0.274	7.36
23) freon 141B									0.000	-1.00
24) freon 123									0.000	-1.00
25) acrolein	0.101	0.116	0.107	0.091		0.097			0.102	9.40
26) 1,1-dichloro	0.391	0.411	0.422	0.390	0.425	0.395	0.454		0.413	5.64
27) acetone	0.040		0.048	0.043	0.047		0.048		0.045	8.15
28) allyl chlori	0.075	0.083	0.084	0.080	0.088	0.066	0.094		0.081	10.80
29) acetonitrile	0.047	0.039	0.044	0.033	0.046	0.038	0.047		0.042	12.50
30) iodomethane	0.689	0.696	0.750	0.690	0.750	0.663	0.797		0.720	6.57
31) carbon disul	1.530	1.596	1.630	1.497	1.636	1.521	1.715		1.589	4.90
32) methylene ch	0.553	0.641	0.552	0.489	0.528	0.739	0.554		0.579	14.49
33) methyl aceta	0.401	0.408	0.418	0.395	0.434	0.376	0.433		0.409	5.13
34) methyl tert	1.352	1.335	1.484	1.333	1.468	1.305	1.508	1.566	1.419	6.94
35) trans-1,2-di	0.458	0.456	0.480	0.436	0.483	0.432	0.504	0.478	0.466	5.33
36) di-isopropyl	1.617	1.651	1.557	1.567	1.649	1.444	1.677	1.995	1.645	9.72
37) ethyl tert-b	1.465	1.485	1.522	1.455	1.559	1.315	1.606	1.689	1.512	7.38
38) 2-butanone	0.049	0.060	0.065	0.055	0.063	0.052	0.064		0.058	10.87
39) 1,1-dichloro	0.821	0.831	0.877	0.798	0.866	0.806	0.899	0.852	0.844	4.21
40) chloroprene									0.000	-1.00
41) acrylonitril	0.178	0.177	0.203	0.176	0.195	0.173	0.196		0.185	6.52
42) vinyl acetat	0.066	0.055	0.069	0.071	0.077		0.080		0.070	12.95

Initial Calibration Summary

Job Number: JA31420 **Sample:** VU4883-ICC4883
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** U123042.D
Project: Hess-Port Reading, NJ

43)	ethyl acetat	0.071	0.068	0.069	0.067	0.074		0.073		0.070	4.06
44)	2,2-dichloro	0.599	0.614	0.650	0.588	0.643	0.603	0.669	0.646	0.627	4.65
45)	cis-1,2-dich	0.489	0.523	0.535	0.481	0.521	0.514	0.549	0.538	0.519	4.56
46)	methyl acryl	0.519	0.535	0.607	0.526	0.589	0.513	0.602		0.556	7.45
47)	propionitril	0.070	0.072	0.080	0.069	0.078	0.070	0.078		0.074	6.17
48)	bromochlorom	0.241	0.240	0.265	0.235	0.260	0.206	0.277	0.238	0.245	8.89
49)	tetrahydrofu	0.192	0.167	0.212	0.178	0.199		0.201		0.191	8.52
50)	chloroform	0.722	0.741	0.821	0.715	0.774	0.752	0.809	0.794	0.766	5.22
51)	tert-butyl F	0.421	0.427	0.457	0.451	0.492	0.362	0.515		0.446	11.23
52)	iso-butyl al									0.000	-1.00
53)	dibromofluor	0.384		0.383	0.359	0.391		0.407		0.385	4.53
54)	1,2-dichloro	0.512		0.445	0.407	0.439		0.452		0.451	8.53
55)	freon 113	0.319	0.309	0.306	0.312	0.328	0.254	0.363		0.313	10.30
56)	methacryloni	0.288	0.300	0.337	0.292	0.325	0.283	0.333		0.308	7.41
57)	1,1,1-trichl	0.574	0.601	0.627	0.572	0.631	0.552	0.670	0.597	0.603	6.36
58)	tert amyl al									0.000	-1.00
59)	tert-amyl me	1.430	1.462	1.400	1.414	1.524	1.282	1.577	1.660	1.469	7.95
60)	iso-octane									0.000	-1.00
61)	I 1,4-difluorobenzene					----------ISTD----------					
62)	Di-isobutyle									0.000	-1.00
63)	epichlorohyd	0.030	0.029	0.033	0.031	0.036	0.029	0.036		0.032	9.56
64)	n-butyl alco	0.010	0.010	0.011	0.011	0.012	0.009	0.012		0.011	11.20
65)	Cyclohexane	0.455	0.481	0.489	0.459	0.489	0.427	0.541		0.477	7.49
66)	carbon tetra	0.326	0.346	0.372	0.337	0.374	0.307	0.403	0.283	0.344	11.37
67)	1,1-dichloro	0.409	0.436	0.440	0.404	0.444	0.412	0.467	0.407	0.427	5.36
68)	hexane	0.057	0.054	0.059	0.059	0.061		0.066		0.059	7.06
69)	benzene	1.233	1.303	1.334	1.207	1.305	1.256	1.330	1.382	1.294	4.49
70)	heptane	0.252	0.254	0.243	0.248	0.261	0.205	0.277		0.248	8.85
71)	isopropyl ac	0.616	0.654	0.619	0.605	0.657	0.556	0.660		0.624	5.98
72)	1,2-dichloro	0.373	0.381	0.417	0.371	0.404	0.370	0.419	0.425	0.395	6.05
73)	ethyl acryla									0.000	-1.00
74)	tert amyl et									0.000	-1.00
75)	trichloroeth	0.294	0.311	0.322	0.294	0.325	0.305	0.346	0.309	0.313	5.52
76)	methylcycloh	0.550	0.570	0.524	0.540	0.565	0.460	0.607	0.365	0.523	14.61
77)	2-nitropropa									0.000	-1.00
78)	2-chloroethy	0.260	0.268	0.259	0.256	0.271	0.223	0.258		0.256	6.13
79)	methyl metha	0.363	0.355	0.393	0.358	0.397	0.345	0.405		0.374	6.38
80)	1,2-dichloro	0.348	0.366	0.380	0.343	0.370	0.334	0.381	0.387	0.364	5.45
81)	propyl aceta	0.063	0.063	0.067	0.064	0.071		0.069		0.066	5.12
82)	dibromometha	0.186	0.193	0.210	0.188	0.206	0.172	0.218	0.203	0.197	7.66
83)	1,4-dioxane	0.003	0.003	0.003	0.004	0.004	0.003	0.004		0.004	10.56
84)	bromodichlor	0.366	0.362	0.403	0.363	0.404	0.326	0.430	0.394	0.381	8.58
85)	cis-1,3-dich	0.509	0.512	0.569	0.513	0.560	0.499	0.589	0.559	0.539	6.34
86)	toluene-d8 (	1.227		1.053	0.968	1.035		1.051		1.067	9.00
87)	4-methyl-2-p	0.139	0.138	0.159	0.140	0.156	0.139	0.158	0.129	0.145	7.67
88)	toluene	0.745	0.770	0.804	0.738	0.810	0.727	0.847	0.842	0.786	5.97
89)	3-methyl-1-b	0.016	0.016	0.016	0.016	0.019	0.014	0.019		0.017	11.52
90)	trans-1,3-di	0.463	0.474	0.509	0.465	0.509	0.455	0.532	0.499	0.488	5.67
91)	ethyl methac	0.324	0.327	0.386	0.350	0.392	0.308	0.405		0.356	10.83
92)	1,1,2-trichl	0.249	0.258	0.274	0.242	0.267	0.237	0.281	0.271	0.260	6.17
93)	2-hexanone	0.125	0.122	0.147	0.127	0.145	0.113	0.148		0.132	10.51
94)	I chlorobenzene-d5					----------ISTD----------					
95)	cyclohexanon	0.016	0.019	0.018	0.015	0.017		0.018		0.017	9.78
96)	tetrachloroe	0.284	0.290	0.301	0.277	0.307	0.272	0.328	0.255	0.289	7.85
97)	1,3-dichloro	0.538	0.544	0.594	0.515	0.564	0.533	0.579	0.630	0.562	6.68
98)	butyl acetat	0.260	0.255	0.262	0.253	0.276	0.217	0.280		0.257	7.88
99)	dibromochlor	0.315	0.320	0.366	0.333	0.373	0.285	0.394	0.309	0.337	10.99
100)	1,2-dibromoe	0.300	0.298	0.353	0.308	0.343	0.305	0.356	0.334	0.325	7.49

Initial Calibration Summary

Job Number: JA31420 **Sample:** VU4883-ICC4883
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** U123042.D
Project: Hess-Port Reading, NJ

101)	3,3-dimethyl	0.038	0.038	0.041	0.041	0.048	0.032	0.049		0.041	14.32
102)	n-butyl ethe									0.000	-1.00
103)	chlorobenzen	0.925	0.931	1.016	0.905	0.983	0.898	1.022	1.015	0.962	5.47
104)	1,1,1,2-tetr	0.313	0.334	0.360	0.327	0.363	0.307	0.387	0.356	0.343	8.06
105)	ethylbenzene	1.553	1.586	1.684	1.532	1.643	1.477	1.644	1.768	1.611	5.76
106)	m,p-xylene	0.601	0.628	0.670	0.601	0.657	0.592	0.669	0.671	0.636	5.42
107)	o-xylene	0.602	0.627	0.670	0.610	0.666	0.572	0.693	0.670	0.639	6.61
108)	styrene	0.959	0.937	1.110	1.022	1.118	0.865	1.144	0.977	1.016	9.78
109)	bromoform	0.217	0.214	0.265	0.244	0.278	0.187			0.234	14.70
110)	I 1,4-dichlorobenzene-d	----------ISTD----------									
111)	isopropylben	2.738	2.888	3.036	2.768	2.964	2.578	2.958	2.871	2.850	5.21
112)	4-bromofluor	0.859		0.799	0.734	0.790		0.812		0.799	5.66
113)	bromobenzene	0.750	0.762	0.831	0.741	0.810	0.670	0.854	0.792	0.776	7.54
114)	1,1,2,2-tetr	0.878	0.851	0.979	0.841	0.921	0.825	0.930	1.009	0.904	7.38
115)	trans-1,4-di	0.165	0.162	0.211	0.191	0.211		0.221		0.194	12.97
116)	1,2,3-trichl	0.181	0.190	0.209	0.178	0.197	0.179	0.202	0.191	0.191	5.91
117)	n-propylbenz	3.338	3.463	3.682	3.304	3.513	3.207	3.450	3.628	3.448	4.68
118)	2-chlorotolu	0.697	0.683	0.774	0.705	0.767	0.667	0.807	0.741	0.730	6.82
119)	4-chlorotolu	2.028	2.110	2.205	1.971	2.122	1.974	2.176	2.221	2.101	4.74
120)	1,3,5-trimet	2.302	2.401	2.594	2.354	2.564	2.254	2.561	2.438	2.433	5.29
121)	tert-butylbe	2.020	2.155	2.239	2.075	2.245	1.924	2.329	2.165	2.144	6.17
122)	pentachloroe	0.440	0.441	0.524	0.483	0.539	0.421	0.574	0.478	0.487	11.06
123)	1,2,4-trimet	2.400	2.453	2.656	2.418	2.622	2.248	2.639	2.574	2.501	5.79
124)	sec-butylben	3.121	3.308	3.446	3.176	3.412	2.948	3.373	3.138	3.240	5.32
125)	1,3-dichloro	1.444	1.524	1.597	1.416	1.554	1.403	1.612	1.572	1.515	5.49
126)	p-isopropylt	2.509	2.662	2.824	2.584	2.804	2.350	2.800	2.555	2.636	6.38
127)	1,4-dichloro	1.522	1.584	1.648	1.469	1.605	1.437	1.661	1.645	1.571	5.45
128)	benzyl chlor	2.506	2.677	2.799	2.568	2.767	2.416	2.731	2.621	2.636	5.06
129)	1,2-dichloro	1.445	1.507	1.582	1.411	1.550	1.346	1.592	1.553	1.498	5.92
130)	n-butylbenze	1.377	1.421	1.533	1.413	1.555	1.332	1.596	1.409	1.454	6.48
131)	1,2-dibromo-	0.144	0.158	0.174	0.151	0.168	0.148	0.166		0.159	7.21
132)	1,2,4-trichl	1.088	1.134	1.241	1.131	1.237	1.005	1.239	1.100	1.147	7.50
133)	hexachlorobu	0.539	0.573	0.607	0.578	0.630	0.534	0.639	0.461	0.570	10.24
134)	naphthalene	2.478	2.404	2.895	2.543	2.755	2.313	2.627	2.614	2.579	7.29
135)	1,2,3-trichl	0.929	0.931	1.080	0.988	1.083	0.853	1.101	1.020	0.998	8.93
136)	hexachloroet	0.407	0.384	0.463	0.447	0.514	0.388	0.552		0.451	14.27
137)	MMT									0.000	-1.00
138)	Bis(chlorome									0.000	-1.00
139)	Ethylenimine									0.000	-1.00
140)	p-diethylben									0.000	-1.00
141)	p-ethyltolue									0.000	-1.00
142)	1,2,4,5-tetr									0.000	-1.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

MU4883.M Wed Dec 02 09:13:04 2009 RPT1

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4883-ICV4883
Lab FileID: U123047.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\VU4883--FIX\U123047.D Vial: 32
Acq On : 28 Sep 2009 3:11 pm Operator: JUNTAEP
Sample : ICV4883-50 Inst : GCMSU
Misc : ms86076,vu4883,w,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\2\METHODS\MU4883.M (RTE Integrator)
Title : SW-846 8260B, DB624 60m x 250um x 1.40um
Last Update : Wed Dec 02 08:50:38 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	100	0.00	7.79
2	M	tertiary butyl alcohol	0.987	1.021	-3.4	104	0.00	7.91
3		Ethanol	0.111	0.116	-4.5	102	0.00	6.53
4	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	10.05
5	M	freon 115		----------NA----------				
6	M	freon 23		----------NA----------				
7	M	freon 143A		----------NA----------				
8	M	freon 152A		----------NA----------				
9	M	chlorotrifluoroethene		----------NA----------				
10	M	chlorodifluoromethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
11	M	dichlorodifluoromethane	50.000	40.143	19.7	84	0.00	4.35
		----------	AvgRF	CCRF	% Dev	----------		
12	M	freon 142B		----------NA----------				
13	M	freon 114		----------NA----------				
14	M	chloromethane	0.722	0.655	9.3	99	0.00	4.70
15	M	vinyl chloride	0.670	0.634	5.4	98	0.00	4.97
16	M	acetaldehyde		----------NA----------				
17	M	bromomethane	0.410	0.413	-0.7	103	0.00	5.65
18	M	chloroethane	0.360	0.352	2.2	102	0.00	5.84
19	M	trichlorofluoromethane	0.597	0.582	2.5	102	0.00	6.31
20	M	pentane		----------NA----------				
21	M	freon 123A		----------NA----------				
22	M	ethyl ether	0.274	0.277	-1.1	104	0.00	6.75
23	M	freon 141B		----------NA----------				
24	M	freon 123		----------NA----------				
25	M	acrolein	0.102	0.113	-10.8	125	0.00	6.96
26	M	1,1-dichloroethene	0.413	0.399	3.4	103	0.00	7.17
27	M	acetone	0.045	0.047	-4.4	111	0.00	7.19
28	M	allyl chloride	0.081	0.086	-6.2	109	0.00	7.68
29	M	acetonitrile	0.042	0.043	-2.4	132	0.00	7.59
30	M	iodomethane	0.720	0.733	-1.8	107	0.00	7.43
31	M	carbon disulfide	1.589	1.371	13.7	92	0.00	7.57
32	M	methylene chloride	0.579	0.508	12.3	105	0.00	7.85
33	M	methyl acetate	0.409	0.401	2.0	102	0.00	7.66
34	M	methyl tert butyl ether	1.419	1.405	1.0	106	0.00	8.22
35	M	trans-1,2-dichloroethene	0.466	0.455	2.4	105	0.00	8.25
36	M	di-isopropyl ether	1.645	1.555	5.5	100	0.00	8.82
37	M	ethyl tert-butyl ether	1.512	1.462	3.3	101	0.00	9.28

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4883-ICV4883
Lab FileID: U123047.D

38	M	2-butanone	0.058	0.060	-3.4	109	0.00	9.48
39	M	1,1-dichloroethane	0.844	0.863	-2.3	109	0.00	8.80
40	M	chloroprene		----------NA----------				
41	M	acrylonitrile	0.185	0.185	0.0	106	0.00	8.15
42	M	vinyl acetate	0.070	0.072	-2.9	103	0.00	8.79
43	M	ethyl acetate	0.070	0.068	2.9	103	0.00	9.51
44	M	2,2-dichloropropane	0.627	0.605	3.5	104	0.00	9.55
45	M	cis-1,2-dichloroethene	0.519	0.527	-1.5	110	0.00	9.52
46	M	methyl acrylate	0.556	0.554	0.4	106	0.00	9.59
47	M	propionitrile	0.074	0.072	2.7	105	0.00	9.55
48	M	bromochloromethane	0.245	0.258	-5.3	111	0.00	9.82
49	M	tetrahydrofuran	0.191	0.192	-0.5	108	0.00	9.88
50	M	chloroform	0.766	0.777	-1.4	110	0.00	9.88
51		tert-butyl Formate	0.446	0.445	0.2	99	0.00	9.95
52	M	iso-butyl alcohol		----------NA----------				
53	S	dibromofluoromethane (s)	0.385	0.380	1.3	107	0.00	10.07
54	S	1,2-dichloroethane-d4 (s)	0.451	0.428	5.1	106	0.00	10.50
55	M	freon 113	0.313	0.317	-1.3	102	0.00	7.16
56	M	methacrylonitrile	0.308	0.310	-0.6	107	0.00	9.75
57	M	1,1,1-trichloroethane	0.603	0.617	-2.3	109	0.00	10.17
58	M	tert amyl alcohol		----------NA----------				
59	M	tert-amyl methyl ether	1.469	1.435	2.3	102	0.00	10.65
60		iso-octane		----------NA----------				
61	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	10.96
62	M	Di-isobutylene		----------NA----------				
63	M	epichlorohydrin	0.032	0.033	-3.1	105	0.00	12.44
64	M	n-butyl alcohol	0.011	0.011	0.0	104	0.00	11.04
65	M	Cyclohexane	0.477	0.460	3.6	100	0.00	10.27
66	M	carbon tetrachloride	0.344	0.366	-6.4	109	0.00	10.38
67	M	1,1-dichloropropene	0.427	0.438	-2.6	109	0.00	10.35
68	M	hexane	0.059	0.058	1.7	99	0.00	8.59
69	M	benzene	1.294	1.292	0.2	107	0.00	10.60
70	M	heptane	0.248	0.246	0.8	99	0.00	10.81
71	M	isopropyl acetate	0.624	0.616	1.3	102	0.00	10.51
72	M	1,2-dichloroethane	0.395	0.400	-1.3	108	0.00	10.59
73	M	ethyl acrylate		----------NA----------				
74		tert amyl ethyl ether		----------NA----------				
75	M	trichloroethene	0.313	0.322	-2.9	110	0.00	11.31
76	M	methylcyclohexane	0.523	0.544	-4.0	101	0.00	11.58
77	M	2-nitropropane		----------NA----------				
78	M	2-chloroethyl vinyl ether	0.256	0.265	-3.5	103	0.00	12.10
79	M	methyl methacrylate	0.374	0.351	6.1	98	0.00	11.57
80	M	1,2-dichloropropane	0.364	0.373	-2.5	109	0.00	11.57
81	M	propyl acetate	0.066	0.062	6.1	96	0.00	11.61
82	M	dibromomethane	0.197	0.205	-4.1	109	0.00	11.71
83	M	1,4-dioxane	0.004	0.004	0.0	105	0.00	11.67
84	M	bromodichloromethane	0.381	0.412	-8.1	114	0.00	11.84
85	M	cis-1,3-dichloropropene	0.539	0.561	-4.1	109	0.00	12.33
86	S	toluene-d8 (s)	1.067	1.031	3.4	107	0.00	12.66
87	M	4-methyl-2-pentanone	0.145	0.147	-1.4	105	0.00	12.44
88	M	toluene	0.786	0.803	-2.2	109	0.00	12.74
89	M	3-methyl-1-butanol	0.017	0.017	0.0	105	0.00	12.43
90	M	trans-1,3-dichloropropene	0.488	0.508	-4.1	109	0.00	12.91
91	M	ethyl methacrylate	0.356	0.461	-29.5#	132	0.00	12.93
92	M	1,1,2-trichloroethane	0.260	0.270	-3.8	112	0.00	13.14
93	M	2-hexanone	0.132	0.142	-7.6	112	0.00	13.35
94	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	14.29
95	M	cyclohexanone	0.017	0.015	11.8	102	0.00	15.51

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4883-ICV4883
Lab FileID: U123047.D

96	M	tetrachloroethene	0.289	0.305	-5.5	111	0.00	13.37
97	M	1,3-dichloropropane	0.562	0.572	-1.8	112	0.00	13.34
98	M	butyl acetate	0.257	0.256	0.4	102	0.00	13.44
99	M	dibromochloromethane	0.337	0.350	-3.9	106	0.00	13.63
100	M	1,2-dibromoethane	0.325	0.336	-3.4	110	0.00	13.80
101		3,3-dimethyl-1-Butanol	0.041	0.043	-4.9	105	0.00	13.52
102		n-butyl ether		----------NA----------				
103	M	chlorobenzene	0.962	1.014	-5.4	112	0.00	14.32
104	M	1,1,1,2-tetrachloroethane	0.343	0.359	-4.7	110	0.00	14.38
105	M	ethylbenzene	1.611	1.649	-2.4	108	0.00	14.39
106	M	m,p-xylene	0.636	0.665	-4.6	111	0.00	14.51
107	M	o-xylene	0.639	0.676	-5.8	111	0.00	14.97
108	M	styrene	1.016	1.099	-8.2	108	0.00	14.98
109	M	bromoform	0.234	0.265	-13.2	109	0.00	15.24
110	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	16.87
111	M	isopropylbenzene	2.850	2.593	9.0	94	0.00	15.36
112	S	4-bromofluorobenzene (s)	0.799	0.781	2.3	107	0.00	15.57
113	M	bromobenzene	0.776	0.817	-5.3	110	0.00	15.79
114	M	1,1,2,2-tetrachloroethane	0.904	0.894	1.1	106	0.00	15.65
115	M	trans-1,4-dichloro-2-bute	0.194	0.220	-13.4	116	0.00	15.71
116	M	1,2,3-trichloropropane	0.191	0.213	-11.5	120	0.00	15.74
117	M	n-propylbenzene	3.448	3.563	-3.3	108	0.00	15.82
118	M	2-chlorotoluene	0.730	0.781	-7.0	111	0.00	15.97
119	M	4-chlorotoluene	2.101	2.191	-4.3	111	0.00	16.08
120	M	1,3,5-trimethylbenzene	2.433	2.541	-4.4	108	0.00	15.98
121	M	tert-butylbenzene	2.144	2.331	-8.7	113	0.00	16.38
122	M	pentachloroethane	0.487	0.546	-12.1	113	0.00	16.44
123	M	1,2,4-trimethylbenzene	2.501	2.620	-4.8	109	0.00	16.42
124	M	sec-butylbenzene	3.240	3.460	-6.8	109	0.00	16.62
125	M	1,3-dichlorobenzene	1.515	1.610	-6.3	114	0.00	16.81
126	M	p-isopropyltoluene	2.636	2.904	-10.2	113	0.00	16.75
127	M	1,4-dichlorobenzene	1.571	1.649	-5.0	112	0.00	16.89
128	M	benzyl chloride	2.636	2.808	-6.5	110	0.00	17.21
129	M	1,2-dichlorobenzene	1.498	1.585	-5.8	113	0.00	17.33
130	M	n-butylbenzene	1.454	1.556	-7.0	110	0.00	17.21
131	M	1,2-dibromo-3-chloropropa	0.159	0.164	-3.1	109	0.00	18.16
132	M	1,2,4-trichlorobenzene	1.147	1.252	-9.2	111	0.00	19.12
133	M	hexachlorobutadiene	0.570	0.628	-10.2	109	0.00	19.27
134	M	naphthalene	2.579	2.794	-8.3	110	0.00	19.44
135	M	1,2,3-trichlorobenzene	0.998	1.142	-14.4	116	0.00	19.71
136	M	hexachloroethane	0.451	0.536	-18.8	120	0.00	17.64
137	M	MMT		----------NA----------				
138	M	Bis(chloromethyl)ether		----------NA----------				
139	M	Ethylenimine		----------NA----------				
140		p-diethylbenzene	0.000	0.000	0.0	0#	0.00	16.75
141		p-ethyltoluene	0.000	0.000	0.0	0#	0.00	16.42
142		1,2,4,5-tetramethylbenzen	0.000	0.000	0.0	0#	0.00	18.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U123042.D MU4883.M Wed Dec 02 09:08:07 2009 RPT1

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4950-CC4883
Lab FileID: U124527.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\U124527.D Vial: 25
Acq On : 5 Nov 2009 8:47 pm Operator: JUNTAEP
Sample : cc4883-50 Inst : GCMSU
Misc : ms88091,vu4950,w,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\2\METHODS\MU4883.M (RTE Integrator)
Title : SW-846 8260B, DB624 60m x 250um x 1.40um
Last Update : Tue Sep 29 18:40:53 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	106	0.00	7.78
2	M	tertiary butyl alcohol	0.987	1.101	-11.6	118	0.00	7.90
3		Ethanol		----------NA----------				
4	I	pentafluorobenzene	1.000	1.000	0.0	117	0.00	10.04
5	M	freon 115		----------NA----------				
6	M	freon 23		----------NA----------				
7	M	freon 143A		----------NA----------				
8	M	freon 152A		----------NA----------				
9	M	chlorotrifluoroethene		----------NA----------				
10	M	chlorodifluoromethane	0.000	0.535	0.0	0#	0.00	4.35
		----------	True	Calc.	% Drift	----------		
11	M	dichlorodifluoromethane	50.000	45.890	8.2	112	0.00	4.35
		----------	AvgRF	CCRF	% Dev	----------		
12	M	freon 142B	0.000	0.000	0.0	0#	0.00	4.97
13	M	freon 114		----------NA----------				
14	M	chloromethane	0.722	0.789	-9.3	138	0.00	4.70
15	M	vinyl chloride	0.670	0.780	-16.4	141	0.00	4.97
16	M	acetaldehyde	0.000	0.000	0.0	0#	0.09	5.50
17	M	bromomethane	0.410	0.473	-15.4	137	0.00	5.65
18	M	chloroethane	0.360	0.401	-11.4	135	0.00	5.84
19	M	trichlorofluoromethane	0.597	0.680	-13.9	139	0.00	6.30
20	M	pentane		----------NA----------				
21	M	freon 123A		----------NA----------				
22	M	ethyl ether	0.274	0.290	-5.8	127	0.00	6.74
23	M	freon 141B	0.000	0.000	0.0	0#	0.14	7.14
24	M	freon 123		----------NA----------				
25	M	acrolein	0.102	0.088	13.7	113	0.00	6.95
26	M	1,1-dichloroethene	0.413	0.445	-7.7	134	0.00	7.16
27	M	acetone	0.045	0.044	2.2	122	-0.02	7.17
28	M	allyl chloride	0.081	0.085	-4.9	125	0.00	7.67
29	M	acetonitrile	0.042	0.033	21.4#	115	-0.01	7.58
30	M	iodomethane	0.720	0.811	-12.6	138	0.00	7.42
31	M	carbon disulfide	1.589	1.714	-7.9	134	0.00	7.56
32	M	methylene chloride	0.579	0.538	7.1	129	0.00	7.85
33	M	methyl acetate	0.409	0.369	9.8	109	0.00	7.65
34	M	methyl tert butyl ether	1.419	1.451	-2.3	128	0.00	8.22
35	M	trans-1,2-dichloroethene	0.466	0.492	-5.6	132	0.00	8.24
36	M	di-isopropyl ether	1.645	1.642	0.2	123	0.00	8.81
37	M	ethyl tert-butyl ether	1.512	1.583	-4.7	128	0.00	9.27

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VU4950-CC4883
Lab FileID: U124527.D

38	M	2-butanone	0.058	0.056	3.4	118	0.00	9.47
39	M	1,1-dichloroethane	0.844	0.887	-5.1	130	0.00	8.79
40	M	chloroprene	0.000	0.684	0.0	0#	-0.01	8.91
41	M	acrylonitrile	0.185	0.182	1.6	122	0.00	8.14
42	M	vinyl acetate	0.070	0.078	-11.4	130	0.00	8.78
43	M	ethyl acetate	0.070	0.068	2.9	120	0.00	9.50
44	M	2,2-dichloropropane	0.627	0.660	-5.3	132	0.00	9.55
45	M	cis-1,2-dichloroethene	0.519	0.527	-1.5	128	0.00	9.51
46	M	methyl acrylate	0.556	0.534	4.0	119	0.00	9.58
47	M	propionitrile	0.074	0.069	6.8	117	0.00	9.55
48	M	bromochloromethane	0.245	0.258	-5.3	129	0.00	9.81
49	M	tetrahydrofuran	0.191	0.151	20.9#	99	0.00	9.87
50	M	chloroform	0.766	0.802	-4.7	132	0.00	9.87
51		tert-butyl Formate	0.446	0.420	5.8	109	0.00	9.94
52	M	iso-butyl alcohol	0.000	0.002	0.0	0#	-0.01	10.28
53	S	dibromofluoromethane (s)	0.385	0.393	-2.1	128	0.00	10.06
54	S	1,2-dichloroethane-d4 (s)	0.451	0.448	0.7	129	0.00	10.49
55	M	freon 113	0.313	0.366	-16.9	137	0.00	7.16
56	M	methacrylonitrile	0.308	0.287	6.8	115	0.00	9.74
57	M	1,1,1-trichloroethane	0.603	0.672	-11.4	138	0.00	10.16
58	M	tert amyl alcohol	0.000	0.000	0.0	0#	0.00	10.51
59	M	tert-amyl methyl ether	1.469	1.527	-3.9	127	0.00	10.65
60		iso-octane	0.000	0.000	0.0	0#	0.00	10.81
61	I	1,4-difluorobenzene	1.000	1.000	0.0	122	0.00	10.95
62	M	Di-isobutylene	0.000	0.037	0.0	0#	0.00	11.03
63	M	epichlorohydrin	0.032	0.031	3.1	120	0.00	12.43
64	M	n-butyl alcohol	0.011	0.010	9.1	115	0.00	11.03
65	M	Cyclohexane	0.477	0.493	-3.4	131	0.00	10.26
66	M	carbon tetrachloride	0.344	0.381	-10.8	138	0.00	10.37
67	M	1,1-dichloropropene	0.427	0.427	0.0	129	0.00	10.34
68	M	hexane	0.048	0.052	-8.3	130	0.00	8.78
69	M	benzene	1.294	1.266	2.2	128	0.00	10.60
70	M	heptane	0.248	0.244	1.6	120	0.00	10.81
71	M	isopropyl acetate	0.624	0.581	6.9	117	0.00	10.51
72	M	1,2-dichloroethane	0.395	0.413	-4.6	136	0.00	10.58
73	M	ethyl acrylate	0.000	0.000	0.0	0#	0.00	11.57
74		tert amyl ethyl ether	0.000	0.000	0.0	0#	0.00	11.66
75	M	trichloroethene	0.313	0.316	-1.0	131	0.00	11.30
76	M	methylcyclohexane	0.523	0.570	-9.0	129	0.00	11.57
77	M	2-nitropropane	0.000	0.019	0.0	0#	-0.01	12.42
78	M	2-chloroethyl vinyl ether	0.256	0.222	13.3	106	0.00	12.09
79	M	methyl methacrylate	0.374	0.333	11.0	114	0.00	11.56
80	M	1,2-dichloropropane	0.364	0.356	2.2	127	0.00	11.56
81	M	propyl acetate	0.066	0.065	1.5	123	0.00	11.61
82	M	dibromomethane	0.197	0.200	-1.5	130	0.00	11.71
83	M	1,4-dioxane	0.004	0.003	25.0#	118	0.00	11.66
84	M	bromodichloromethane	0.381	0.397	-4.2	134	0.00	11.84
85	M	cis-1,3-dichloropropene	0.539	0.528	2.0	126	0.00	12.32
86	S	toluene-d8 (s)	1.067	0.999	6.4	126	0.00	12.66
87	M	4-methyl-2-pentanone	0.145	0.135	6.9	118	0.00	12.43
88	M	toluene	0.786	0.780	0.8	129	0.00	12.74
89	M	3-methyl-1-butanol	0.017	0.016	5.9	120	0.00	12.42
90	M	trans-1,3-dichloropropene	0.488	0.480	1.6	126	0.00	12.91
91	M	ethyl methacrylate	0.356	0.416	-16.9	145	0.00	12.92
92	M	1,1,2-trichloroethane	0.260	0.255	1.9	129	0.00	13.14
93	M	2-hexanone	0.132	0.121	8.3	117	0.00	13.34
94	I	chlorobenzene-d5	1.000	1.000	0.0	128	0.00	14.28
95	M	cyclohexanone	0.017	0.017	0.0	150	0.00	15.51

Continuing Calibration Summary

Job Number: JA31420 **Sample:** VU4950-CC4883
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** U124527.D
Project: Hess-Port Reading, NJ

96	M	tetrachloroethene	0.289	0.280	3.1	130	0.00	13.37
97	M	1,3-dichloropropane	0.562	0.521	7.3	129	0.00	13.34
98	M	butyl acetate	0.257	0.238	7.4	120	0.00	13.43
99	M	dibromochloromethane	0.337	0.335	0.6	129	0.00	13.62
100	M	1,2-dibromoethane	0.325	0.309	4.9	128	0.00	13.79
101		3,3-dimethyl-1-Butanol	0.041	0.037	9.8	114	0.00	13.51
102		n-butyl ether	0.000	0.000	0.0	0#	0.00	14.32
103	M	chlorobenzene	0.962	0.931	3.2	132	0.00	14.32
104	M	1,1,1,2-tetrachloroethane	0.343	0.341	0.6	134	0.00	14.38
105	M	ethylbenzene	1.611	1.534	4.8	128	0.00	14.39
106	M	m,p-xylene	0.636	0.616	3.1	131	0.00	14.51
107	M	o-xylene	0.639	0.623	2.5	131	0.00	14.97
108	M	styrene	1.016	1.025	-0.9	128	0.00	14.97
109	M	bromoform	0.234	0.241	-3.0	126	0.00	15.24
110	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	138	0.00	16.86
111	M	isopropylbenzene	2.850	2.580	9.5	128	0.00	15.36
112	S	4-bromofluorobenzene (s)	0.799	0.709	11.3	133	0.00	15.56
113	M	bromobenzene	0.776	0.727	6.3	135	0.00	15.78
114	M	1,1,2,2-tetrachloroethane	0.904	0.793	12.3	130	0.00	15.65
115	M	trans-1,4-dichloro-2-bute	0.194	0.161	17.0	116	0.00	15.70
116	M	1,2,3-trichloropropane	0.191	0.170	11.0	132	0.00	15.74
117	M	n-propylbenzene	2.101	1.913	8.9	134	0.00	16.07
118	M	2-chlorotoluene	0.730	0.693	5.1	135	0.00	15.97
119	M	4-chlorotoluene	2.101	1.913	8.9	134	0.00	16.07
120	M	1,3,5-trimethylbenzene	2.433	2.243	7.8	131	0.00	15.98
121	M	tert-butylbenzene	2.144	1.954	8.9	130	0.00	16.38
122	M	pentachloroethane	0.487	0.474	2.7	135	0.00	16.44
123	M	1,2,4-trimethylbenzene	2.501	2.301	8.0	131	0.00	16.42
124	M	sec-butylbenzene	3.240	2.992	7.7	130	0.00	16.62
125	M	1,3-dichlorobenzene	1.515	1.421	6.2	138	0.00	16.80
126	M	p-isopropyltoluene	2.636	2.457	6.8	131	0.00	16.75
127	M	1,4-dichlorobenzene	1.571	1.472	6.3	138	0.00	16.89
128	M	benzyl chloride	2.636	2.431	7.8	130	0.00	17.20
129	M	1,2-dichlorobenzene	1.498	1.417	5.4	138	0.00	17.32
130	M	n-butylbenzene	1.454	1.348	7.3	132	0.00	17.20
131	M	1,2-dibromo-3-chloropropa	0.159	0.134	15.7	122	0.00	18.15
132	M	1,2,4-trichlorobenzene	1.147	1.021	11.0	124	0.00	19.12
133	M	hexachlorobutadiene	0.570	0.517	9.3	123	0.00	19.27
134	M	naphthalene	2.579	2.234	13.4	121	0.00	19.43
135	M	1,2,3-trichlorobenzene	0.998	0.897	10.1	125	0.00	19.70
136	M	hexachloroethane	0.451	0.438	2.9	135	0.00	17.64
137	M	MMT		----------NA----------				
138	M	Bis(chloromethyl)ether		----------NA----------				
139	M	Ethylenimine		----------NA----------				
140		p-diethylbenzene	0.000	0.000	0.0	0#	0.00	16.75
141		p-ethyltoluene	0.000	0.000	0.0	0#	0.00	16.42
142		1,2,4,5-tetramethylbenzen	0.000	0.000	0.0	0#	0.00	18.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U123042.D MU4883.M Mon Nov 09 09:41:35 2009 RPT1

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICC3917
Lab FileID: V94844.D

Response Factor Report MSV

```
Method       : C:\MSDCHEM\1\METHODS\MVS3917.M (RTE Integrator)
Title        : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update  : Tue Sep 22 11:54:15 2009
Response via : Initial Calibration

Calibration Files
1   =V94840.D    10  =V94842.D    100 =V94846.D    50  =V94844.D
20  =V94843.D    200 =V94847.D    5   =V94841.D    0.5 =V94839.D
80  =V94845.D        =
```

Compound	1	10	100	50	20	200	5	0.5	80	Avg	%RSD
1) I Tert Butyl Alcohol-d9 ----------ISTD----------											
2) tertiary butyl alcohol	2.060	1.979	1.724	1.858	1.933	1.526		1.723		1.829	10.03
3) 1,4-dioxane	0.202	0.202	0.171	0.172	0.206	0.143		0.183		0.183	12.35
4) I pentafluorobenzene ----------ISTD----------											
5) Freon 115										0.000	-1.00
6) Freon 23										0.000	-1.00
7) Freon 143A										0.000	-1.00
8) Freon 152A										0.000	-1.00
9) Freon 114										0.000	-1.00
10) Freon 142B										0.000	-1.00
11) Chlorotrifluoroethene										0.000	-1.00
12) chlorodifluoromethane	0.597	0.506	0.485	0.547	0.489	0.467		0.461		0.507	9.60
13) dichlorodifluoromethane	0.545	0.743	0.636	0.637	0.699	0.623	0.622	0.600		0.638	9.41
14) chloromethane	0.729	0.686	0.652	0.718	0.677	0.647		0.644		0.679	5.05
15) vinyl chloride	0.682	0.708	0.631	0.611	0.660	0.638	0.617	0.601		0.643	5.78
16) bromomethane	0.579	0.468	0.473	0.522		0.514		0.444		0.500	9.70
17) chloroethane	0.356	0.408	0.358	0.343	0.378	0.314	0.329	0.332		0.352	8.45
18) trichlorofluoromethane	0.729	0.913	0.823	0.786	0.857	0.788	0.779	0.754		0.804	7.34
19) ethyl ether	0.295	0.352	0.360	0.326	0.342	0.352	0.304	0.316		0.331	7.30
20) Freon 123A										0.000	-1.00
21) Freon 141B										0.000	-1.00
22) Freon 123										0.000	-1.00
23) acrolein											

Initial Calibration Summary

Job Number: JA31420 **Sample:** VV3917-ICC3917
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** V94844.D
Project: Hess-Port Reading, NJ

```
            0.080 0.094 0.092 0.088 0.094 0.087 0.079 0.093 0.082   0.088    7.00
24)  freon 113
            0.465 0.477 0.427 0.390 0.428 0.410 0.390       0.377   0.420    8.64
25)  1,1-dichloroethene
            0.545 0.556 0.504 0.467 0.499 0.492 0.522 0.540 0.448   0.508    7.12
26)  acetone
                  0.042 0.051 0.052 0.054 0.053             0.057   0.052   10.19
27)  iso-butyl alcohol
            0.016 0.021 0.020 0.018 0.020 0.019 0.017       0.018   0.019    8.11
28)  allyl chloride
            0.120 0.120 0.112 0.100 0.110 0.107 0.101       0.097   0.108    8.20
29)  acetonitrile
                  0.042 0.036 0.035 0.038 0.034 0.042       0.032   0.037   10.23
30)  iodomethane
            0.955 1.124 1.087 0.991 1.049 1.050 1.055       0.970   1.035    5.67
31)  carbon disulfide
            1.798 2.008 1.751 1.624 1.770 1.702 1.816 1.665 1.561   1.744    7.43
32)  methylene chloride
                  0.860 0.729 0.681 0.759 0.700 0.857       0.653   0.749   10.99
33)  methyl acetate
                  0.084 0.092 0.080 0.084 0.090 0.030       0.081   0.077   27.77
             ----- Linear regression -----  Coefficient =  0.9975
               Response Ratio = -0.00596 + 0.09143 *A

34)  methyl tert butyl ether
            1.544 1.800 1.774 1.640 1.762 1.695 1.616       1.587   1.677    5.65
35)  trans-1,2-dichloroethene
            0.655 0.670 0.592 0.546 0.601 0.577 0.616       0.533   0.599    8.03
36)  di-isopropyl ether
            1.678 1.776 1.681 1.570 1.670 1.588 1.389 1.712 1.513   1.620    7.27
37)  2-butanone
                  0.055 0.067 0.067 0.071 0.068             0.069   0.066    8.81
38)  1,1-dichloroethane
            0.942 1.115 1.003 0.946 1.008 0.965 1.008       0.905   0.987    6.46
39)  chloroprene
            0.688 0.769 0.710 0.658 0.705 0.691 0.571 0.635 0.627   0.673    8.54
40)  acrylonitrile
            0.125 0.145 0.166 0.156 0.171 0.157 0.155       0.146   0.153    9.29
41)  vinyl acetate
                  0.050 0.097 0.082 0.077 0.090             0.080   0.079   20.38
             ----- Linear regression -----  Coefficient =  0.9944
               Response Ratio = -0.00858 + 0.09319 *A

42)  ethyl tert-butyl ether
            1.956 1.916 1.856 1.698 1.849 1.794 1.527 1.886 1.663   1.794    7.74
43)  ethyl acetate
                  0.060 0.071 0.067 0.073 0.063             0.062   0.066    8.02
44)  2,2-dichloropropane
            0.774 0.888 0.785 0.748 0.801 0.759 0.805       0.714   0.784    6.57
45)  cis-1,2-dichloroethene
            0.632 0.722 0.680 0.638 0.686 0.660 0.668       0.612   0.662    5.26
46)  propionitrile
                  0.069 0.067 0.064 0.068 0.065 0.058       0.060   0.064    6.22
47)  methyl acrylate
                  0.054 0.081 0.072 0.073 0.082             0.071   0.072   14.00
48)  methacrylonitrile
                  0.186 0.211 0.199 0.204 0.212 0.133       0.190   0.191   14.39
49)  bromochloromethane
            0.286 0.370 0.358 0.329 0.361 0.351 0.325       0.324   0.338    8.12
50)  tetrahydrofuran
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** VV3917-ICC3917
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** V94844.D
Project: Hess-Port Reading, NJ

```
                  0.176 0.151 0.152 0.156 0.145 0.167       0.138   0.155    8.31
51)  chloroform
            1.057 1.175 1.041 0.994 1.079 1.009 1.079       0.953   1.048    6.42
52)  tert-Butyl Formate
            0.411 0.455 0.498 0.434 0.454 0.491 0.339       0.422   0.438   11.48
53)  dibromofluoromethane (s)
                  0.736 0.611 0.587 0.572 0.599 0.740       0.562   0.630   12.04
54)  1,2-dichloroethane-d4 (s)
                  0.818 0.672 0.660 0.636 0.640 0.831       0.616   0.696   12.86
55)  1,1,1-trichloroethane
            0.829 0.951 0.823 0.798 0.864 0.801 0.853       0.750   0.834    7.09
56)  Cyclohexane
                  0.845 0.779 0.715 0.755 0.769 0.797       0.691   0.764    6.69
57)  Tert Amyl Alcohol
                  0.024 0.021 0.019 0.023 0.020 0.018       0.018   0.021   12.16

58) I   1,4-difluorobenzene   ----------------ISTD--------------------
59)  methylcyclohexane
            0.569 0.693 0.630 0.580 0.617 0.618 0.500 0.593 0.559   0.595    9.02
60)  epichlorohydrin
                  0.039 0.036 0.034 0.036 0.035 0.031       0.031   0.034    8.25
61)  n-butyl alcohol
                  0.009 0.011 0.010 0.010 0.011 0.006       0.010   0.010   19.09
             ----- Linear regression -----  Coefficient =  0.9986
               Response Ratio = -0.03085 + 0.01095 *A

62)  carbon tetrachloride
            0.467 0.565 0.506 0.483 0.515 0.500 0.524       0.461   0.503    6.72
63)  1,1-dichloropropene
            0.452 0.543 0.504 0.472 0.491 0.495 0.494       0.448   0.487    6.24
64)  hexane
            0.440 0.511 0.440 0.403 0.428 0.437 0.366       0.388   0.427   10.27
65)  benzene
            1.526 1.736 1.587 1.498 1.600 1.508 1.584       1.441   1.560    5.73
66)  tert-amyl methyl ether
            1.287 1.298 1.282 1.180 1.278 1.227 0.999       1.149   1.212    8.41
67)  heptane
                  0.283 0.255 0.241 0.249 0.253 0.210       0.225   0.245    9.51
68)  isopropyl acetate
                  0.131 0.142 0.130 0.141 0.141 0.083       0.126   0.128   16.27
             ----- Linear regression -----  Coefficient =  0.9977
               Response Ratio = -0.00701 + 0.14213 *A

69)  1,2-dichloroethane
            0.445 0.554 0.525 0.502 0.533 0.509 0.512       0.482   0.508    6.53
70)  trichloroethene
            0.389 0.448 0.414 0.393 0.411 0.412 0.404       0.376   0.406    5.31
71)  Ethyl Acrylate
                                                                    0.000   -1.00
72)  tert-Amyl Ethyl Ether
                  0.591 0.642 0.560 0.579 0.645 0.429       0.560   0.572   12.66
73)  2-nitropropane
                  0.009 0.019 0.016 0.015 0.018             0.016   0.015   23.39
             ----- Linear regression -----  Coefficient =  0.9969
               Response Ratio = -0.00196 + 0.01855 *A

74)  2-chloroethyl vinyl ether
                  0.277 0.281 0.265 0.282 0.257 0.206       0.253   0.260   10.14
75)  methyl methacrylate
                  0.107 0.130 0.115 0.114 0.126 0.083       0.113   0.113   13.76
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** VV3917-ICC3917
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** V94844.D
Project: Hess-Port Reading, NJ

```
 76)  1,2-dichloropropane
            0.383 0.450 0.428 0.399 0.423 0.412 0.406 0.386 0.387   0.408    5.54
 77)  dibromomethane
            0.232 0.275 0.268 0.250 0.267 0.264 0.247       0.243   0.256    5.85
 78)  bromodichloromethane
            0.475 0.587 0.574 0.536 0.566 0.566 0.525       0.519   0.544    6.80
 79)  cis-1,3-dichloropropene
            0.561 0.735 0.733 0.683 0.718 0.725 0.650       0.665   0.684    8.68
 80)  toluene-d8 (s)
                  1.769 1.505 1.456 1.375 1.438 1.761       1.390   1.528   10.98
 81)  4-methyl-2-pentanone
                  0.140 0.148 0.138 0.151 0.145 0.104       0.135   0.137   11.41
 82)  toluene
            0.956 1.115 1.051 0.992 1.033 1.026 1.018       0.960   1.019    5.05
 83)  isoamyl alcohol
                  0.014 0.017 0.017 0.016 0.017 0.010       0.016   0.015   16.78
              ----- Linear regression -----  Coefficient =  0.9987
                Response Ratio = -0.01291 + 0.01706 *A

 84)  trans-1,3-dichloropropene
            0.508 0.665 0.671 0.632 0.660 0.651 0.587       0.612   0.623    8.74
 85)  ethyl methacrylate
                  0.376 0.443 0.396 0.395 0.429 0.303       0.392   0.391   11.53
 86)  1,1,2-trichloroethane
            0.255 0.344 0.334 0.311 0.332 0.326 0.308       0.301   0.314    8.88
 87)  2-hexanone
                  0.140 0.150 0.139 0.135 0.147 0.104       0.144   0.137   11.29

 88) I   chlorobenzene-d5      ----------------ISTD---------------------
 89)  tetrachloroethene
            0.522 0.649 0.575 0.564 0.610 0.586 0.577       0.593   0.584    6.27
 90)  1,3-dichloropropane
            0.569 0.765 0.712 0.662 0.720 0.687 0.653       0.647   0.677    8.70
 91)  butyl acetate
                  0.124 0.106 0.091 0.113 0.104 0.079       0.095   0.102   14.76
 92)  3,3-Dimethyl-1-Butanol
            0.010 0.025 0.032 0.028 0.030 0.032 0.017       0.028   0.025   30.51
              ----- Linear regression -----  Coefficient =  0.9978
                Response Ratio = -0.01918 + 0.03207 *A

 93)  dibromochloromethane
            0.446 0.548 0.550 0.499 0.531 0.549 0.456       0.495   0.509    8.26
 94)  1,2-dibromoethane
            0.378 0.455 0.454 0.420 0.442 0.453 0.390       0.412   0.426    7.14
 95)  chlorobenzene
            1.313 1.525 1.416 1.317 1.397 1.383 1.316       1.296   1.371    5.61
 96)  1,1,1,2-tetrachloroethane
            0.439 0.566 0.536 0.495 0.520 0.529 0.469       0.493   0.506    7.93
 97)  ethylbenzene
            1.871 2.316 2.134 2.023 2.133 2.025 1.957       1.975   2.055    6.69
 98)  m,p-xylene
            0.759 0.957 0.878 0.826 0.862 0.829 0.809       0.807   0.841    7.06
 99)  o-xylene
            0.713 0.966 0.898 0.838 0.876 0.864 0.769       0.832   0.844    9.18
100)  styrene
                  1.543 1.561 1.449 1.486 1.479 1.264       1.439   1.460    6.69
101)  Butyl Acrylate
                                                                    0.000   -1.00
102)  bromoform
                  0.378 0.401 0.365 0.376 0.403 0.323       0.361   0.372    7.29
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** VV3917-ICC3917
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** V94844.D
Project: Hess-Port Reading, NJ

```
103)  cyclohexanone
                  0.081 0.075 0.081 0.089 0.073 0.059       0.081   0.077   12.31
104)  4-bromofluorobenzene (s)
                  0.939 0.792 0.770 0.684 0.782 0.887       0.747   0.800   10.75

105) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
106)  isopropylbenzene
            3.477 4.337 3.885 3.638 3.867 3.743 3.917       3.534   3.800    7.16
107)  bromobenzene
            1.085 1.294 1.257 1.145 1.221 1.231 1.210       1.131   1.197    5.86
108)  1,1,2,2-tetrachloroethane
            1.009 1.162 1.056 0.991 1.096 1.021 1.050       0.930   1.039    6.74
109)  trans-1,4-dichloro-2-butene
                  0.232 0.232 0.232 0.248 0.236 0.204       0.206   0.227    7.14
110)  1,2,3-trichloropropane
            0.221 0.272 0.257 0.234 0.261 0.254 0.256       0.227   0.248    7.22
111)  n-propylbenzene
            4.436 5.003 4.499 4.230 4.534 4.135 4.662       4.090   4.449    6.78
112)  4-Ethyltoluene
                  3.844 3.918 3.478 3.633 3.810 2.863       3.440   3.569   10.12
113)  2-chlorotoluene
            1.029 1.158 1.081 1.006 1.065 1.041 1.079       0.984   1.056    5.09
114)  4-chlorotoluene
            3.087 3.307 2.913 2.778 3.012 2.826 3.079       2.732   2.967    6.48
115)  1,3,5-trimethylbenzene
            3.660 4.030 3.378 3.274 3.579 3.136 3.661       3.115   3.479    8.97
116)  tert-butylbenzene
            2.568 3.175 2.962 2.789 2.909 2.885 2.900       2.672   2.857    6.49
117)  pentachloroethane
            0.572 0.728 0.719 0.610 0.620 0.687 0.611       0.532   0.635   11.04
118)  1,2,4-trimethylbenzene
            3.058 3.885 3.545 3.316 3.519 3.387 3.449       3.218   3.422    7.20
119)  sec-butylbenzene
            4.007 4.885 4.290 4.116 4.376 4.079 4.392       3.952   4.262    7.06
120)  1,3-dichlorobenzene
            1.951 2.405 2.230 2.064 2.219 2.141 2.124 2.019 2.047   2.133    6.40
121)  p-isopropyltoluene
            3.139 4.034 3.689 3.493 3.649 3.511 3.575       3.372   3.558    7.27
122)  1,2,3-Trimethylbenzene
                                                                    0.000   -1.00
123)  1,4-dichlorobenzene
                  2.655 2.327 2.192 2.416 2.229 2.510       2.152   2.354    7.81
124)  1,2-dichlorobenzene
            2.177 2.417 2.208 2.086 2.269 2.130 2.180 2.360 2.040   2.207    5.59
125)  1,4-Diethylbenzene
                  2.365 2.321 2.119 2.241 2.244 1.642       2.066   2.143   11.41
126)  n-butylbenzene
            1.628 2.164 1.941 1.859 1.983 1.877 1.924       1.799   1.897    8.11
127)  1,2,4,5-tetramethylbenzene
                  3.723 3.906 3.551 3.667 3.680 2.487       3.488   3.500   13.32
128)  1,2-dibromo-3-chloropropane
                  0.186 0.181 0.170 0.180 0.178 0.163       0.159   0.174    5.84
129)  1,3,5-trichlorobenzene
            1.784 2.062 1.878 1.768 1.910 1.820 1.840       1.759   1.852    5.39
130)  1,2,4-trichlorobenzene
            1.395 1.727 1.709 1.566 1.700 1.662 1.504 1.431 1.580   1.586    7.77
131)  hexachlorobutadiene
            0.878 1.018 0.913 0.861 0.935 0.908 0.929 0.962 0.838   0.916    5.96
132)  naphthalene
            2.670 3.180 3.476 3.196 3.337 3.309 2.644 3.111 3.133   3.117    9.13
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICC3917
Lab FileID: V94844.D

```
133)  1,2,3-trichlorobenzene
            1.304 1.599 1.564 1.431 1.557 1.521 1.395 1.333 1.427   1.459    7.26
134)  hexachloroethane
            0.552 0.727 0.728 0.663 0.687 0.741 0.653 0.616 0.646   0.668    9.09
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MVS3917.M         Tue Sep 22 11:58:24 2009   RPT1
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICV3917
Lab FileID: V94855.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V94855.D Vial: 3
Acq On : 22 Sep 2009 10:27 am Operator: JIANHUAL
Sample : ICV3917-50 Inst : MSV
Misc : MS86137,VV3917,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MVS3917.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Tue Sep 22 11:54:15 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	118	0.00	7.47
2	tertiary butyl alcohol	1.829	1.711	6.5	117	0.00	7.59
3	1,4-dioxane	0.183	0.180	1.6	124	0.00	11.39
4 I	pentafluorobenzene	1.000	1.000	0.0	117	0.00	9.69
5	Freon 115		----------NA----------				
6	Freon 23		----------NA----------				
7	Freon 143A		----------NA----------				
8	Freon 152A		----------NA----------				
9	Freon 114		----------NA----------				
10	Freon 142B		----------NA----------				
11	Chlorotrifluoroethene		----------NA----------				
12	chlorodifluoromethane	0.507	0.463	8.7	112	0.00	4.25
13	dichlorodifluoromethane	0.638	0.634	0.6	117	0.00	4.23
14	chloromethane	0.679	0.695	-2.4	125	0.00	4.58
15	vinyl chloride	0.643	0.685	-6.5	131	0.00	4.83
16	bromomethane	0.500	0.495	1.0	122	0.00	5.43
17	chloroethane	0.352	0.380	-8.0	130	0.01	5.60
18	trichlorofluoromethane	0.804	0.896	-11.4	134	0.00	6.02
19	ethyl ether	0.331	0.317	4.2	114	0.00	6.40
20	Freon 123A		----------NA----------				
21	Freon 141B		----------NA----------				
22	Freon 123		----------NA----------				
23	acrolein	0.088	0.086	2.3	114	0.00	6.66
24	freon 113	0.420	0.434	-3.3	131	0.00	6.79
25	1,1-dichloroethene	0.508	0.512	-0.8	129	0.00	6.83
26	acetone	0.052	0.060	-15.4	134	0.00	6.90
27	iso-butyl alcohol	0.019	0.018	5.3	115	0.00	10.27
28	allyl chloride	0.108	0.111	-2.8	130	0.00	7.33
29	acetonitrile	0.037	0.032	13.5	109	0.00	7.31
30	iodomethane	1.035	1.071	-3.5	127	0.00	7.12
31	carbon disulfide	1.744	1.595	8.5	115	0.00	7.25
32	methylene chloride	0.749	0.672	10.3	116	0.01	7.53
	----------	True	Calc.	% Drift	----------		
33	methyl acetate	50.000	44.876	10.2	112	0.00	7.33
	----------	AvgRF	CCRF	% Dev	----------		
34	methyl tert butyl ether	1.677	1.591	5.1	114	0.00	7.84
35	trans-1,2-dichloroethene	0.599	0.572	4.5	123	0.00	7.89
36	di-isopropyl ether	1.620	1.571	3.0	117	0.00	8.41
37	2-butanone	0.066	0.073	-10.6	128	0.00	9.17

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICV3917
Lab FileID: V94855.D

38		1,1-dichloroethane	0.987	0.979	0.8	121	0.00	8.45
39		chloroprene	0.673	0.712	-5.8	127	0.00	8.56
40		acrylonitrile	0.153	0.147	3.9	111	0.00	7.85
		----------	True	Calc.	% Drift	----------		
41		vinyl acetate	50.000	48.840	2.3	118	0.00	8.45
		----------	AvgRF	CCRF	% Dev	----------		
42		ethyl tert-butyl ether	1.794	1.717	4.3	119	0.00	8.88
43		ethyl acetate	0.066	0.062	6.1	108	0.00	9.17
44		2,2-dichloropropane	0.784	0.852	-8.7	133	0.00	9.18
45		cis-1,2-dichloroethene	0.662	0.665	-0.5	122	0.00	9.19
46		propionitrile	0.064	0.059	7.8	109	0.00	9.25
47		methyl acrylate	0.072	0.070	2.8	114	0.00	9.28
48		methacrylonitrile	0.191	0.183	4.2	108	0.01	9.45
49		bromochloromethane	0.338	0.324	4.1	116	0.00	9.50
50		tetrahydrofuran	0.155	0.141	9.0	108	0.00	9.56
51		chloroform	1.048	0.997	4.9	118	0.00	9.55
52		tert-Butyl Formate	0.438	0.449	-2.5	121	0.00	9.58
53	S	dibromofluoromethane (s)	0.630	0.591	6.2	118	0.00	9.75
54	S	1,2-dichloroethane-d4 (s)	0.696	0.624	10.3	111	0.00	10.18
55		1,1,1-trichloroethane	0.834	0.849	-1.8	125	0.00	9.82
56		Cyclohexane	0.764	0.756	1.0	124	0.00	9.90
57		Tert Amyl Alcohol	0.021	0.019	9.5	113	0.00	10.12
58	I	1,4-difluorobenzene	1.000	1.000	0.0	119	0.00	10.64
59		methylcyclohexane	0.595	0.637	-7.1	130	0.00	11.22
60		epichlorohydrin	0.034	0.032	5.9	114	0.00	11.96
		----------	True	Calc.	% Drift	----------		
61		n-butyl alcohol	2500.000	2399.915	4.0	118	0.00	10.76
		----------	AvgRF	CCRF	% Dev	----------		
62		carbon tetrachloride	0.503	0.513	-2.0	126	0.00	10.03
63		1,1-dichloropropene	0.487	0.498	-2.3	125	0.00	10.00
64		hexane	0.427	0.447	-4.7	132	0.00	8.18
65		benzene	1.560	1.505	3.5	119	0.00	10.27
66		tert-amyl methyl ether	1.212	1.154	4.8	116	0.00	10.28
67		heptane	0.245	0.255	-4.1	125	0.00	10.42
		----------	True	Calc.	% Drift	----------		
68		isopropyl acetate	50.000	46.016	8.0	113	0.00	10.16
		----------	AvgRF	CCRF	% Dev	----------		
69		1,2-dichloroethane	0.508	0.466	8.3	110	0.00	10.27
70		trichloroethene	0.406	0.403	0.7	122	0.00	11.00
71		Ethyl Acrylate		----------NA----------				
72		tert-Amyl Ethyl Ether	0.572	0.562	1.7	119	0.00	11.15
		----------	True	Calc.	% Drift	----------		
73		2-nitropropane	50.000	46.132	7.7	111	0.00	12.18
		----------	AvgRF	CCRF	% Dev	----------		
74		2-chloroethyl vinyl ether	0.260	0.247	5.0	111	0.00	11.81
75		methyl methacrylate	0.113	0.097	14.2	100	0.00	11.27
76		1,2-dichloropropane	0.408	0.392	3.9	117	0.00	11.27
77		dibromomethane	0.256	0.237	7.4	113	0.00	11.44
78		bromodichloromethane	0.544	0.533	2.0	118	0.00	11.57
79		cis-1,3-dichloropropene	0.684	0.682	0.3	118	0.00	12.06
80	S	toluene-d8 (s)	1.528	1.511	1.1	123	0.00	12.37

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICV3917
Lab FileID: V94855.D

81		4-methyl-2-pentanone	0.137	0.129	5.8	111	0.00	12.16
82		toluene	1.019	1.010	0.9	121	0.00	12.45
		----------	True	Calc.	% Drift	----------		
83		isoamyl alcohol	1000.000	952.682	4.7	111	0.00	12.18
		----------	AvgRF	CCRF	% Dev	----------		
84		trans-1,3-dichloropropene	0.623	0.608	2.4	114	0.00	12.67
85		ethyl methacrylate	0.391	0.452	-15.6	135	0.00	12.66
86		1,1,2-trichloroethane	0.314	0.303	3.5	116	0.00	12.90
87		2-hexanone	0.137	0.146	-6.6	125	0.00	13.11
88	I	chlorobenzene-d5	1.000	1.000	0.0	116	0.00	14.06
89		tetrachloroethene	0.584	0.542	7.2	112	0.00	13.10
90		1,3-dichloropropane	0.677	0.643	5.0	113	0.00	13.10
91		butyl acetate	0.102	0.094	7.8	120	0.00	13.18
		----------	True	Calc.	% Drift	----------		
92		3,3-Dimethyl-1-Butanol	500.000	478.143	4.4	120	0.00	13.28
		----------	AvgRF	CCRF	% Dev	----------		
93		dibromochloromethane	0.509	0.475	6.7	111	0.00	13.40
94		1,2-dibromoethane	0.426	0.405	4.9	112	0.00	13.57
95		chlorobenzene	1.371	1.365	0.4	121	0.00	14.09
96		1,1,1,2-tetrachloroethane	0.506	0.500	1.2	118	0.00	14.15
97		ethylbenzene	2.055	2.100	-2.2	121	0.00	14.15
98		m,p-xylene	0.841	0.871	-3.6	123	0.00	14.27
99		o-xylene	0.844	0.883	-4.6	123	0.00	14.74
100		styrene	1.460	1.458	0.1	117	0.00	14.75
101		Butyl Acrylate		----------NA----------				
102		bromoform	0.372	0.353	5.1	113	0.00	15.06
103		cyclohexanone	0.077	0.080	-3.9	116	0.00	15.31
104	S	4-bromofluorobenzene (s)	0.800	0.777	2.9	118	0.00	15.36
105	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	112	0.00	16.67
106		isopropylbenzene	3.800	3.459	9.0	107	0.00	15.12
107		bromobenzene	1.197	1.169	2.3	115	0.00	15.59
108		1,1,2,2-tetrachloroethane	1.039	0.958	7.8	109	0.00	15.47
109		trans-1,4-dichloro-2-bute	0.227	0.260	-14.5	126	0.00	15.52
110		1,2,3-trichloropropane	0.248	0.261	-5.2	125	0.00	15.55
111		n-propylbenzene	4.449	4.533	-1.9	120	0.00	15.59
112		4-Ethyltoluene	3.569	3.756	-5.2	121	0.00	15.70
113		2-chlorotoluene	1.056	1.086	-2.8	121	0.00	15.76
114		4-chlorotoluene	2.967	3.000	-1.1	121	0.00	15.87
115		1,3,5-trimethylbenzene	3.479	3.469	0.3	119	0.00	15.75
116		tert-butylbenzene	2.857	3.065	-7.3	124	0.00	16.15
117		pentachloroethane	0.635	0.761	-19.8	140	0.00	16.25
118		1,2,4-trimethylbenzene	3.422	3.511	-2.6	119	0.00	16.20
119		sec-butylbenzene	4.262	4.540	-6.5	124	0.00	16.39
120		1,3-dichlorobenzene	2.133	2.240	-5.0	122	0.00	16.61
121		p-isopropyltoluene	3.558	3.939	-10.7	127	0.00	16.52
122		1,2,3-Trimethylbenzene		----------NA----------				
123		1,4-dichlorobenzene	2.354	2.327	1.1	119	0.00	16.71
124		1,2-dichlorobenzene	2.207	2.160	2.1	116	0.00	17.14
125		1,4-Diethylbenzene	2.143	2.298	-7.2	122	0.00	16.95
126		n-butylbenzene	1.897	2.056	-8.4	124	0.00	16.99
127		1,2,4,5-tetramethylbenzen	3.500	3.667	-4.8	116	0.00	17.83
128		1,2-dibromo-3-chloropropa	0.174	0.165	5.2	109	0.00	18.00
129		1,3,5-trichlorobenzene	1.852	1.854	-0.1	118	0.00	18.21
130		1,2,4-trichlorobenzene	1.586	1.659	-4.6	119	0.00	18.94

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV3917-ICV3917
Lab FileID: V94855.D

131	hexachlorobutadiene	0.916	0.911	0.5	119	0.00	19.06
132	naphthalene	3.117	3.155	-1.2	111	0.00	19.27
133	1,2,3-trichlorobenzene	1.459	1.526	-4.6	120	0.00	19.57
134	hexachloroethane	0.668	0.772	-15.6	131	0.00	17.44

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V94844.D MVS3917.M Tue Sep 22 11:58:54 2009 RPT1

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV4010-CC3917
Lab FileID: V96703.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V96703.D Vial: 2
Acq On : 10 Nov 2009 11:53 am Operator: JIANHUAL
Sample : CC3917-20 Inst : MSV
Misc : MS88152,VV4010,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MVS3917.M (RTE Integrator)
Title : SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Nov 04 11:18:36 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	92	0.00	7.46
2	tertiary butyl alcohol	1.829	2.157	-17.9	106	0.00	7.58
3	1,4-dioxane	0.183	0.267	-45.9#	142	0.01	11.40
4 I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	9.69
5	Freon 115		----------NA----------				
6	Freon 23		----------NA----------				
7	Freon 143A		----------NA----------				
8	Freon 152A		----------NA----------				
9	Freon 114		----------NA----------				
10	Freon 142B		----------NA----------				
11	Chlorotrifluoroethene		----------NA----------				
12	chlorodifluoromethane	0.507	0.503	0.8	98	0.00	4.25
13	dichlorodifluoromethane	0.638	0.646	-1.3	99	0.01	4.24
14	chloromethane	0.679	0.772	-13.7	115	0.00	4.57
15	vinyl chloride	0.643	0.744	-15.7	120	0.00	4.82
16	bromomethane	0.500	0.569	-13.8	116	0.00	5.43
17	chloroethane	0.352	0.407	-15.6	115	0.00	5.60
18	trichlorofluoromethane	0.804	0.854	-6.2	106	0.00	6.01
19	ethyl ether	0.331	0.341	-3.0	107	0.00	6.41
20	Freon 123A		----------NA----------				
21	Freon 141B		----------NA----------				
22	Freon 123		----------NA----------				
23	acrolein	0.088	0.083	5.7	95	0.01	6.67
24	freon 113	0.420	0.495	-17.9	124	0.00	6.80
25	1,1-dichloroethene	0.508	0.551	-8.5	118	0.00	6.83
26	acetone	0.052	0.038	26.9#	75	0.03	6.94
27	iso-butyl alcohol	0.019	0.021	-10.5	114	0.00	10.27
28	allyl chloride	0.108	0.117	-8.3	114	0.00	7.34
29	acetonitrile	0.037	0.038	-2.7	108	0.01	7.32
30	iodomethane	1.035	1.140	-10.1	116	0.00	7.11
31	carbon disulfide	1.744	1.944	-11.5	117	0.00	7.25
32	methylene chloride	0.749	0.766	-2.3	108	0.00	7.52
	----------	True	Calc.	% Drift	----------		
33	methyl acetate	20.000	22.868	-14.3	114	0.03	7.36
	----------	AvgRF	CCRF	% Dev	----------		
34	methyl tert butyl ether	1.677	1.684	-0.4	102	0.00	7.84
35	trans-1,2-dichloroethene	0.599	0.660	-10.2	117	0.00	7.89
36	di-isopropyl ether	1.620	1.781	-9.9	114	0.00	8.41
37	2-butanone	0.066	0.059	10.6	89	0.03	9.20

Continuing Calibration Summary

Job Number: JA31420 **Sample:** VV4010-CC3917
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** V96703.D
Project: Hess-Port Reading, NJ

38		1,1-dichloroethane	0.987	1.091	-10.5	116	0.00	8.45
39		chloroprene	0.673	0.798	-18.6	121	0.00	8.57
40		acrylonitrile	0.153	0.171	-11.8	106	0.02	7.86
		----------	True	Calc.	% Drift	----------		
41		vinyl acetate	20.000	16.927	15.4	80	0.05	8.50
		----------	AvgRF	CCRF	% Dev	----------		
42		ethyl tert-butyl ether	1.794	1.944	-8.4	112	0.00	8.88
43		ethyl acetate	0.066	0.067	-1.5	97	0.02	9.20
44		2,2-dichloropropane	0.784	0.854	-8.9	114	0.00	9.18
45		cis-1,2-dichloroethene	0.662	0.710	-7.3	110	0.00	9.20
46		propionitrile	0.064	0.071	-10.9	111	0.01	9.25
47		methyl acrylate	0.072	0.065	9.7	95	0.04	9.32
48		methacrylonitrile	0.191	0.200	-4.7	105	0.02	9.46
49		bromochloromethane	0.338	0.357	-5.6	105	0.00	9.50
50		tetrahydrofuran	0.155	0.171	-10.3	117	0.01	9.57
51		chloroform	1.048	1.070	-2.1	106	0.00	9.55
52		tert-Butyl Formate	0.438	0.514	-17.4	121	0.01	9.59
53	S	dibromofluoromethane (s)	0.630	0.563	10.6	105	0.00	9.75
54	S	1,2-dichloroethane-d4 (s)	0.696	0.620	10.9	104	0.00	10.18
55		1,1,1-trichloroethane	0.834	0.910	-9.1	112	0.00	9.81
56		Cyclohexane	0.764	0.942	-23.3#	133	0.00	9.89
57		Tert Amyl Alcohol	0.021	0.021	0.0	96	0.00	10.12
58	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	10.64
59		methylcyclohexane	0.595	0.811	-36.3#	142	0.00	11.22
60		epichlorohydrin	0.034	0.036	-5.9	109	0.02	11.97
		----------	True	Calc.	% Drift	----------		
61		n-butyl alcohol	1000.000	1242.955	-24.3#	127	0.02	10.78
		----------	AvgRF	CCRF	% Dev	----------		
62		carbon tetrachloride	0.503	0.542	-7.8	114	0.00	10.02
63		1,1-dichloropropene	0.487	0.547	-12.3	121	0.00	10.00
64		hexane	0.427	0.567	-32.8#	144	0.00	8.18
65		benzene	1.560	1.742	-11.7	118	0.00	10.27
66		tert-amyl methyl ether	1.212	1.353	-11.6	115	0.00	10.28
67		heptane	0.245	0.393	-60.4#	171	0.00	10.42
		----------	True	Calc.	% Drift	----------		
68		isopropyl acetate	20.000	23.263	-16.3	114	0.00	10.17
		----------	AvgRF	CCRF	% Dev	----------		
69		1,2-dichloroethane	0.508	0.483	4.9	98	0.00	10.28
70		trichloroethene	0.406	0.441	-8.6	116	0.00	11.00
71		Ethyl Acrylate		----------NA----------				
72		tert-Amyl Ethyl Ether	0.572	0.583	-1.9	109	0.00	11.14
		----------	True	Calc.	% Drift	----------		
73		2-nitropropane	20.000	23.866	-19.3	122	0.01	12.19
		----------	AvgRF	CCRF	% Dev	----------		
74		2-chloroethyl vinyl ether	0.260	0.253	2.7	97	0.00	11.82
75		methyl methacrylate	0.113	0.104	8.0	99	0.02	11.29
76		1,2-dichloropropane	0.408	0.457	-12.0	117	0.00	11.27
77		dibromomethane	0.256	0.260	-1.6	106	0.00	11.44
78		bromodichloromethane	0.544	0.553	-1.7	106	0.00	11.56
79		cis-1,3-dichloropropene	0.684	0.731	-6.9	110	0.00	12.06
80	S	toluene-d8 (s)	1.528	1.572	-2.9	124	0.00	12.38

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV4010-CC3917
Lab FileID: V96703.D

81		4-methyl-2-pentanone	0.137	0.153	-11.7	110	0.00	12.17
82		toluene	1.019	1.157	-13.5	121	0.00	12.45
		----------	True	Calc.	% Drift	----------		
83		isoamyl alcohol	400.000	497.098	-24.3#	132	0.02	12.19
		----------	AvgRF	CCRF	% Dev	----------		
84		trans-1,3-dichloropropene	0.623	0.640	-2.7	105	0.00	12.67
85		ethyl methacrylate	0.391	0.468	-19.7	128	0.02	12.67
86		1,1,2-trichloroethane	0.314	0.335	-6.7	109	0.00	12.90
87		2-hexanone	0.137	0.134	2.2	108	0.03	13.14
88	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	14.05
89		tetrachloroethene	0.584	0.586	-0.3	108	0.00	13.10
90		1,3-dichloropropane	0.677	0.681	-0.6	106	0.00	13.11
91		butyl acetate	0.102	0.110	-7.8	109	0.01	13.19
		----------	True	Calc.	% Drift	----------		
92		3,3-Dimethyl-1-Butanol	200.000	221.473	-10.7	116	0.00	13.29
		----------	AvgRF	CCRF	% Dev	----------		
93		dibromochloromethane	0.509	0.498	2.2	105	0.00	13.41
94		1,2-dibromoethane	0.426	0.420	1.4	107	0.00	13.58
95		chlorobenzene	1.371	1.430	-4.3	115	0.00	14.09
96		1,1,1,2-tetrachloroethane	0.506	0.509	-0.6	110	0.00	14.15
97		ethylbenzene	2.055	2.273	-10.6	119	0.00	14.15
98		m,p-xylene	0.841	0.947	-12.6	123	0.00	14.27
99		o-xylene	0.844	0.908	-7.6	116	0.00	14.74
100		styrene	1.460	1.472	-0.8	111	0.01	14.77
101		Butyl Acrylate		----------NA----------				
102		bromoform	0.372	0.342	8.1	102	0.00	15.06
103		cyclohexanone	0.077	0.020	74.0#	25#	0.01	15.32
104	S	4-bromofluorobenzene (s)	0.800	0.723	9.6	118	0.00	15.36
105	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	110	0.00	16.67
106		isopropylbenzene	3.800	4.192	-10.3	119	0.00	15.12
107		bromobenzene	1.197	1.211	-1.2	109	0.00	15.59
108		1,1,2,2-tetrachloroethane	1.039	1.053	-1.3	105	0.00	15.47
109		trans-1,4-dichloro-2-bute	0.227	0.232	-2.2	103	0.00	15.52
110		1,2,3-trichloropropane	0.248	0.249	-0.4	105	0.00	15.56
111		n-propylbenzene	4.449	4.914	-10.5	119	0.00	15.59
112		4-Ethyltoluene	3.569	3.933	-10.2	119	0.00	15.70
113		2-chlorotoluene	1.056	1.106	-4.7	114	0.00	15.76
114		4-chlorotoluene	2.967	3.014	-1.6	110	0.00	15.87
115		1,3,5-trimethylbenzene	3.479	3.805	-9.4	117	0.00	15.75
116		tert-butylbenzene	2.857	3.045	-6.6	115	0.00	16.15
117		pentachloroethane	0.635	0.733	-15.4	130	0.00	16.25
118		1,2,4-trimethylbenzene	3.422	3.616	-5.7	113	0.00	16.20
119		sec-butylbenzene	4.262	4.675	-9.7	117	0.00	16.39
120		1,3-dichlorobenzene	2.133	2.169	-1.7	107	0.00	16.62
121		p-isopropyltoluene	3.558	3.906	-9.8	117	0.00	16.52
122		1,2,3-Trimethylbenzene		----------NA----------				
123		1,4-dichlorobenzene	2.354	2.353	0.0	107	0.00	16.71
124		1,2-dichlorobenzene	2.207	2.117	4.1	102	0.00	17.15
125		1,4-Diethylbenzene	2.143	2.390	-11.5	117	0.00	16.95
126		n-butylbenzene	1.897	2.129	-12.2	118	0.00	16.99
127		1,2,4,5-tetramethylbenzen	3.500	3.601	-2.9	108	0.00	17.83
128		1,2-dibromo-3-chloropropa	0.174	0.158	9.2	96	0.00	18.01
129		1,3,5-trichlorobenzene	1.852	1.896	-2.4	109	0.00	18.22
130		1,2,4-trichlorobenzene	1.586	1.585	0.1	102	0.00	18.94

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: VV4010-CC3917
Lab FileID: V96703.D

131	hexachlorobutadiene	0.916	1.006	-9.8	118	0.00	19.06
132	naphthalene	3.117	2.770	11.1	91	0.01	19.28
133	1,2,3-trichlorobenzene	1.459	1.384	5.1	97	0.00	19.57
134	hexachloroethane	0.668	0.720	-7.8	115	0.00	17.43

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V94843.D MVS3917.M Tue Nov 10 16:02:13 2009 RPT1

5.9.10

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GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45950.D	1	11/05/09	NAP	10/29/09	OP40672	EP1962

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	570	35	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	35	ug/kg	
95-48-7	2-Methylphenol	ND	57	33	ug/kg	
	3&4-Methylphenol	ND	57	36	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	48	ug/kg	
87-86-5	Pentachlorophenol	ND	290	49	ug/kg	
108-95-2	Phenol	ND	57	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	27	ug/kg	
83-32-9	Acenaphthene	ND	29	8.3	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.1	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	57	10	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	57	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	57	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	140	9.1	ug/kg	
86-74-8	Carbazole	ND	57	13	ug/kg	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	57	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	57	8.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	57	8.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	57	8.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	57	8.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	57	7.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	57	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	57	12	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45950.D	1	11/05/09	NAP	10/29/09	OP40672	EP1962

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	57	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
132-64-9	Dibenzofuran	ND	57	8.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	57	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	57	14	ug/kg	
84-66-2	Diethyl phthalate	ND	57	9.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	57	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	57	25	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	57	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	7.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	29	ug/kg	
67-72-1	Hexachloroethane	ND	140	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
78-59-1	Isophorone	ND	57	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	57	16	ug/kg	
88-74-4	2-Nitroaniline	ND	140	13	ug/kg	
99-09-2	3-Nitroaniline	ND	140	11	ug/kg	
100-01-6	4-Nitroaniline	ND	140	11	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
98-95-3	Nitrobenzene	ND	57	8.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	57	7.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	17	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	57	7.6	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	67%	30-109%
4165-62-2	Phenol-d5	72%	28-108%
118-79-6	2,4,6-Tribromophenol	104%	28-125%
4165-60-0	Nitrobenzene-d5	103%	28-113%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45950.D	1	11/05/09	NAP	10/29/09	OP40672	EP1962

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	107%	38-107%
1718-51-0	Terphenyl-d14	96%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.10	210	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45997.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	570	35	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	35	ug/kg	
95-48-7	2-Methylphenol	ND	57	33	ug/kg	
	3&4-Methylphenol	ND	57	36	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	48	ug/kg	
87-86-5	Pentachlorophenol	ND	290	49	ug/kg	
108-95-2	Phenol	ND	57	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	27	ug/kg	
83-32-9	Acenaphthene	ND	29	8.3	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.1	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	57	10	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	57	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	57	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	140	9.1	ug/kg	
86-74-8	Carbazole	ND	57	13	ug/kg	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	57	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	57	8.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	57	8.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	57	8.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	57	8.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	57	7.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	57	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	57	12	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45997.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	57	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
132-64-9	Dibenzofuran	ND	57	8.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	57	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	57	14	ug/kg	
84-66-2	Diethyl phthalate	ND	57	9.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	57	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	57	25	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	57	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	7.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	29	ug/kg	
67-72-1	Hexachloroethane	ND	140	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
78-59-1	Isophorone	ND	57	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	57	16	ug/kg	
88-74-4	2-Nitroaniline	ND	140	13	ug/kg	
99-09-2	3-Nitroaniline	ND	140	11	ug/kg	
100-01-6	4-Nitroaniline	ND	140	11	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
98-95-3	Nitrobenzene	ND	57	8.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	57	7.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	17	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	57	7.6	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	67%	30-109%
4165-62-2	Phenol-d5	69%	28-108%
118-79-6	2,4,6-Tribromophenol	104%	28-125%
4165-60-0	Nitrobenzene-d5	105%	28-113%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MB1	P45997.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	108%* [a]	38-107%
1718-51-0	Terphenyl-d14	91%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.86	320	ug/kg	J
	system artifact/aldol-condensation	3.09	240	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Outside of in house control limits, but within reasonable method recovery limits.

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	3E22764.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	2.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	3E22764.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	46%	13-68%
4165-62-2	Phenol-d5	29%	10-49%
118-79-6	2,4,6-Tribromophenol	88%	37-130%
4165-60-0	Nitrobenzene-d5	111%	25-112%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	3E22764.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	106%	31-106%
1718-51-0	Terphenyl-d14	109%	14-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	Z52105.D	1	11/16/09	VN	10/30/09	OP40693	EZ1911

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	2.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	Z52105.D	1	11/16/09	VN	10/30/09	OP40693	EZ1911

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	13-68%
4165-62-2	Phenol-d5	33%	10-49%
118-79-6	2,4,6-Tribromophenol	103%	37-130%
4165-60-0	Nitrobenzene-d5	100%	25-112%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MB1	Z52105.D	1	11/16/09	VN	10/30/09	OP40693	EZ1911

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	110%* [a]	31-106%
1718-51-0	Terphenyl-d14	104%	14-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	5.15	4.4	ug/l	J
	Internal standard added for SIM test	7.90	5	ug/l	J
	Internal standard added for SIM test	10.26	4.6	ug/l	J
	Internal standard added for SIM test	13.49	5	ug/l	J
	Internal standard added for SIM test	17.00	4.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) Outside of in house control limits, but within reasonable method recovery limits.

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MB1	Z51912.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	570	35	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	35	ug/kg	
95-48-7	2-Methylphenol	ND	57	33	ug/kg	
	3&4-Methylphenol	ND	57	36	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	48	ug/kg	
87-86-5	Pentachlorophenol	ND	290	49	ug/kg	
108-95-2	Phenol	ND	57	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	27	ug/kg	
83-32-9	Acenaphthene	ND	29	8.3	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.1	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	57	10	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	57	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	57	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	140	9.1	ug/kg	
86-74-8	Carbazole	ND	57	13	ug/kg	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	57	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	57	8.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	57	8.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	57	8.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	57	8.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	57	7.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	57	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	57	12	ug/kg	

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MB1	Z51912.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	57	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
132-64-9	Dibenzofuran	ND	57	8.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	57	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	57	14	ug/kg	
84-66-2	Diethyl phthalate	ND	57	9.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	57	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	57	25	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	57	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	7.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	29	ug/kg	
67-72-1	Hexachloroethane	ND	140	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
78-59-1	Isophorone	ND	57	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	57	16	ug/kg	
88-74-4	2-Nitroaniline	ND	140	13	ug/kg	
99-09-2	3-Nitroaniline	ND	140	11	ug/kg	
100-01-6	4-Nitroaniline	ND	140	11	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
98-95-3	Nitrobenzene	ND	57	8.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	57	7.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	17	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	57	7.6	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	88%	30-109%
4165-62-2	Phenol-d5	84%	28-108%
118-79-6	2,4,6-Tribromophenol	102%	28-125%
4165-60-0	Nitrobenzene-d5	117%* [a]	28-113%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MB1	Z51912.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	115%* [a]	38-107%
1718-51-0	Terphenyl-d14	104%	31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.81	490	ug/kg	J
	system artifact	3.12	350	ug/kg	J
	system artifact	3.17	270	ug/kg	J
	system artifact	3.25	190	ug/kg	J
	system artifact	3.31	350	ug/kg	J
	system artifact	4.19	140	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Outside of in house control limits, but within reasonable method recovery limits.

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-BS1	P45998.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1060	74	55-107
59-50-7	4-Chloro-3-methyl phenol	1430	1240	87	57-116
120-83-2	2,4-Dichlorophenol	1430	1200	84	54-116
105-67-9	2,4-Dimethylphenol	1430	1440	101	55-127
51-28-5	2,4-Dinitrophenol	2860	2160	76	14-139
534-52-1	4,6-Dinitro-o-cresol	1430	994	70	28-131
95-48-7	2-Methylphenol	1430	971	68	53-109
	3&4-Methylphenol	1430	1030	72	52-111
88-75-5	2-Nitrophenol	1430	1330	93	52-117
100-02-7	4-Nitrophenol	1430	1160	81	17-136
87-86-5	Pentachlorophenol	1430	491	34	18-125
108-95-2	Phenol	1430	963	67	48-108
95-95-4	2,4,5-Trichlorophenol	1430	1290	90	57-114
88-06-2	2,4,6-Trichlorophenol	1430	1020	71	57-115
83-32-9	Acenaphthene	1430	1040	73	54-113
208-96-8	Acenaphthylene	1430	948	66	48-107
120-12-7	Anthracene	1430	1090	76	55-120
56-55-3	Benzo(a)anthracene	1430	1050	74	52-121
50-32-8	Benzo(a)pyrene	1430	1090	76	52-122
205-99-2	Benzo(b)fluoranthene	1430	1330	93	42-128
191-24-2	Benzo(g,h,i)perylene	1430	1000	70	51-120
207-08-9	Benzo(k)fluoranthene	1430	1280	90	47-132
101-55-3	4-Bromophenyl phenyl ether	1430	1140	80	53-124
85-68-7	Butyl benzyl phthalate	1430	1270	89	52-127
91-58-7	2-Chloronaphthalene	1430	1020	71	52-116
106-47-8	4-Chloroaniline	1430	892	62	16-93
86-74-8	Carbazole	1430	1160	81	55-122
218-01-9	Chrysene	1430	1060	74	53-120
111-91-1	bis(2-Chloroethoxy)methane	1430	1070	75	50-120
111-44-4	bis(2-Chloroethyl)ether	1430	989	69	40-127
108-60-1	bis(2-Chloroisopropyl)ether	1430	994	70	47-111
7005-72-3	4-Chlorophenyl phenyl ether	1430	1080	76	52-120
95-50-1	1,2-Dichlorobenzene	1430	1120	78	47-111
541-73-1	1,3-Dichlorobenzene	1430	976	68	45-110
106-46-7	1,4-Dichlorobenzene	1430	994	70	46-110
121-14-2	2,4-Dinitrotoluene	1430	1200	84	51-125

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-BS1	P45998.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1430	1590	111	54-126
91-94-1	3,3'-Dichlorobenzidine	1430	1060	74	28-113
53-70-3	Dibenzo(a,h)anthracene	1430	1030	72	51-125
132-64-9	Dibenzofuran	1430	1150	81	54-118
84-74-2	Di-n-butyl phthalate	1430	1200	84	55-122
117-84-0	Di-n-octyl phthalate	1430	1350	95	50-132
84-66-2	Diethyl phthalate	1430	1190	83	53-118
131-11-3	Dimethyl phthalate	1430	1130	79	55-116
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1280	90	51-130
206-44-0	Fluoranthene	1430	1080	76	50-119
86-73-7	Fluorene	1430	1070	75	54-119
118-74-1	Hexachlorobenzene	1430	1150	81	51-123
87-68-3	Hexachlorobutadiene	1430	1260	88	40-130
77-47-4	Hexachlorocyclopentadiene	2860	1460	51	24-145
67-72-1	Hexachloroethane	1430	1110	78	41-118
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1070	75	51-124
78-59-1	Isophorone	1430	1050	74	50-117
91-57-6	2-Methylnaphthalene	1430	1080	76	44-127
88-74-4	2-Nitroaniline	1430	1290	90	44-137
99-09-2	3-Nitroaniline	1430	1100	77	33-106
100-01-6	4-Nitroaniline	1430	1230	86	44-122
91-20-3	Naphthalene	1430	959	67	49-112
98-95-3	Nitrobenzene	1430	1100	77	48-118
621-64-7	N-Nitroso-di-n-propylamine	1430	986	69	46-121
86-30-6	N-Nitrosodiphenylamine	1430	1090	76	59-130
85-01-8	Phenanthrene	1430	1070	75	53-118
129-00-0	Pyrene	1430	1090	76	52-120
120-82-1	1,2,4-Trichlorobenzene	1430	1130	79	46-118

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	71%	30-109%
4165-62-2	Phenol-d5	73%	28-108%
118-79-6	2,4,6-Tribromophenol	98%	28-125%
4165-60-0	Nitrobenzene-d5	109%	28-113%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-BS1	P45998.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	99%	38-107%
1718-51-0	Terphenyl-d14	97%	31-116%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-BS1	3E22765.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	38.7	77	41-102
59-50-7	4-Chloro-3-methyl phenol	50	45.5	91	52-117
120-83-2	2,4-Dichlorophenol	50	45.1	90	47-113
105-67-9	2,4-Dimethylphenol	50	44.8	90	43-122
51-28-5	2,4-Dinitrophenol	100	95.1	95	32-138
534-52-1	4,6-Dinitro-o-cresol	50	43.7	87	47-122
95-48-7	2-Methylphenol	50	36.2	72	36-100
	3&4-Methylphenol	50	32.6	65	31-98
88-75-5	2-Nitrophenol	50	39.3	79	44-114
100-02-7	4-Nitrophenol	50	14.9	30	16-76
87-86-5	Pentachlorophenol	50	29.8	60	35-122
108-95-2	Phenol	50	17.1	34	15-62
95-95-4	2,4,5-Trichlorophenol	50	43.5	87	56-115
88-06-2	2,4,6-Trichlorophenol	50	43.6	87	54-113
83-32-9	Acenaphthene	50	42.6	85	46-110
208-96-8	Acenaphthylene	50	40.5	81	42-103
120-12-7	Anthracene	50	47.6	95	57-123
56-55-3	Benzo(a)anthracene	50	45.9	92	56-125
50-32-8	Benzo(a)pyrene	50	49.8	100	57-125
205-99-2	Benzo(b)fluoranthene	50	43.6	87	49-130
191-24-2	Benzo(g,h,i)perylene	50	45.7	91	55-129
207-08-9	Benzo(k)fluoranthene	50	44.3	89	53-132
101-55-3	4-Bromophenyl phenyl ether	50	45.3	91	55-121
85-68-7	Butyl benzyl phthalate	50	46.8	94	55-132
91-58-7	2-Chloronaphthalene	50	42.4	85	39-108
106-47-8	4-Chloroaniline	50	43.4	87	34-103
86-74-8	Carbazole	50	53.8	108	63-122
218-01-9	Chrysene	50	44.0	88	57-123
111-91-1	bis(2-Chloroethoxy)methane	50	43.6	87	43-119
111-44-4	bis(2-Chloroethyl)ether	50	39.5	79	36-124
108-60-1	bis(2-Chloroisopropyl)ether	50	39.3	79	40-106
7005-72-3	4-Chlorophenyl phenyl ether	50	43.4	87	50-117
95-50-1	1,2-Dichlorobenzene	50	34.7	69	22-90
541-73-1	1,3-Dichlorobenzene	50	33.8	68	19-85
106-46-7	1,4-Dichlorobenzene	50	34.9	70	20-88
121-14-2	2,4-Dinitrotoluene	50	45.6	91	56-124

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-BS1	3E22765.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	50	46.2	92	55-128
91-94-1	3,3'-Dichlorobenzidine	50	47.3	95	42-116
53-70-3	Dibenzo(a,h)anthracene	50	49.0	98	55-133
132-64-9	Dibenzofuran	50	46.7	93	53-109
84-74-2	Di-n-butyl phthalate	50	52.1	104	58-130
117-84-0	Di-n-octyl phthalate	50	49.6	99	55-133
84-66-2	Diethyl phthalate	50	48.6	97	52-123
131-11-3	Dimethyl phthalate	50	46.3	93	44-126
117-81-7	bis(2-Ethylhexyl)phthalate	50	48.4	97	57-134
206-44-0	Fluoranthene	50	45.5	91	56-124
86-73-7	Fluorene	50	46.5	93	53-118
118-74-1	Hexachlorobenzene	50	42.5	85	54-119
87-68-3	Hexachlorobutadiene	50	34.1	68	11-100
77-47-4	Hexachlorocyclopentadiene	100	65.2	65	5-120
67-72-1	Hexachloroethane	50	30.7	61	13-88
193-39-5	Indeno(1,2,3-cd)pyrene	50	48.4	97	55-131
78-59-1	Isophorone	50	40.8	82	43-120
91-57-6	2-Methylnaphthalene	50	41.1	82	33-103
88-74-4	2-Nitroaniline	50	49.0	98	48-132
99-09-2	3-Nitroaniline	50	45.8	92	48-115
100-01-6	4-Nitroaniline	50	52.6	105	51-125
91-20-3	Naphthalene	50	37.6	75	33-98
98-95-3	Nitrobenzene	50	43.3	87	41-114
621-64-7	N-Nitroso-di-n-propylamine	50	40.3	81	41-121
86-30-6	N-Nitrosodiphenylamine	50	49.6	99	54-136
85-01-8	Phenanthrene	50	44.9	90	57-119
129-00-0	Pyrene	50	45.3	91	56-123
120-82-1	1,2,4-Trichlorobenzene	50	36.1	72	21-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	49%	13-68%
4165-62-2	Phenol-d5	31%	10-49%
118-79-6	2,4,6-Tribromophenol	90%	37-130%
4165-60-0	Nitrobenzene-d5	113%* [a]	25-112%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-BS1	3E22765.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	109%* [a]	31-106%
1718-51-0	Terphenyl-d14	109%	14-122%

(a) Outside of in house control limits, but within reasonable method recovery limits.

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-BS1	Z51913.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1240	87	55-107
59-50-7	4-Chloro-3-methyl phenol	1430	1280	90	57-116
120-83-2	2,4-Dichlorophenol	1430	1300	91	54-116
105-67-9	2,4-Dimethylphenol	1430	1510	106	55-127
51-28-5	2,4-Dinitrophenol	2860	2490	87	14-139
534-52-1	4,6-Dinitro-o-cresol	1430	1340	94	28-131
95-48-7	2-Methylphenol	1430	1190	83	53-109
	3&4-Methylphenol	1430	1200	84	52-111
88-75-5	2-Nitrophenol	1430	1490	104	52-117
100-02-7	4-Nitrophenol	1430	1280	90	17-136
87-86-5	Pentachlorophenol	1430	1510	106	18-125
108-95-2	Phenol	1430	1180	83	48-108
95-95-4	2,4,5-Trichlorophenol	1430	1380	97	57-114
88-06-2	2,4,6-Trichlorophenol	1430	1380	97	57-115
83-32-9	Acenaphthene	1430	1160	81	54-113
208-96-8	Acenaphthylene	1430	1090	76	48-107
120-12-7	Anthracene	1430	1250	88	55-120
56-55-3	Benzo(a)anthracene	1430	1150	81	52-121
50-32-8	Benzo(a)pyrene	1430	1230	86	52-122
205-99-2	Benzo(b)fluoranthene	1430	1160	81	42-128
191-24-2	Benzo(g,h,i)perylene	1430	1170	82	51-120
207-08-9	Benzo(k)fluoranthene	1430	1170	82	47-132
101-55-3	4-Bromophenyl phenyl ether	1430	1300	91	53-124
85-68-7	Butyl benzyl phthalate	1430	1430	100	52-127
91-58-7	2-Chloronaphthalene	1430	1190	83	52-116
106-47-8	4-Chloroaniline	1430	773	54	16-93
86-74-8	Carbazole	1430	1270	89	55-122
218-01-9	Chrysene	1430	1170	82	53-120
111-91-1	bis(2-Chloroethoxy)methane	1430	1240	87	50-120
111-44-4	bis(2-Chloroethyl)ether	1430	1180	83	40-127
108-60-1	bis(2-Chloroisopropyl)ether	1430	1140	80	47-111
7005-72-3	4-Chlorophenyl phenyl ether	1430	1140	80	52-120
95-50-1	1,2-Dichlorobenzene	1430	1170	82	47-111
541-73-1	1,3-Dichlorobenzene	1430	1150	81	45-110
106-46-7	1,4-Dichlorobenzene	1430	1170	82	46-110
121-14-2	2,4-Dinitrotoluene	1430	1290	90	51-125

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-BS1	Z51913.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1430	1320	92	54-126
91-94-1	3,3'-Dichlorobenzidine	1430	1030	72	28-113
53-70-3	Dibenzo(a,h)anthracene	1430	1210	85	51-125
132-64-9	Dibenzofuran	1430	1190	83	54-118
84-74-2	Di-n-butyl phthalate	1430	1250	88	55-122
117-84-0	Di-n-octyl phthalate	1430	1500	105	50-132
84-66-2	Diethyl phthalate	1430	1140	80	53-118
131-11-3	Dimethyl phthalate	1430	1190	83	55-116
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1300	91	51-130
206-44-0	Fluoranthene	1430	1110	78	50-119
86-73-7	Fluorene	1430	1140	80	54-119
118-74-1	Hexachlorobenzene	1430	1210	85	51-123
87-68-3	Hexachlorobutadiene	1430	1300	91	40-130
77-47-4	Hexachlorocyclopentadiene	2860	2630	92	24-145
67-72-1	Hexachloroethane	1430	1170	82	41-118
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1230	86	51-124
78-59-1	Isophorone	1430	1180	83	50-117
91-57-6	2-Methylnaphthalene	1430	1110	78	44-127
88-74-4	2-Nitroaniline	1430	1280	90	44-137
99-09-2	3-Nitroaniline	1430	998	70	33-106
100-01-6	4-Nitroaniline	1430	1260	88	44-122
91-20-3	Naphthalene	1430	1140	80	49-112
98-95-3	Nitrobenzene	1430	1270	89	48-118
621-64-7	N-Nitroso-di-n-propylamine	1430	1080	76	46-121
86-30-6	N-Nitrosodiphenylamine	1430	1280	90	59-130
85-01-8	Phenanthrene	1430	1160	81	53-118
129-00-0	Pyrene	1430	1200	84	52-120
120-82-1	1,2,4-Trichlorobenzene	1430	1230	86	46-118

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	85%	30-109%
4165-62-2	Phenol-d5	81%	28-108%
118-79-6	2,4,6-Tribromophenol	101%	28-125%
4165-60-0	Nitrobenzene-d5	111%	28-113%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-BS1	Z51913.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	107%	38-107%
1718-51-0	Terphenyl-d14	99%	31-116%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MS	P46010.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
OP40672-MSD	P46011.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
JA31184-1	P45979.D	1	11/06/09	LP	10/29/09	OP40672	EP1963

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	JA31184-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1730	1010	58	925	53	9	41-106/24
59-50-7	4-Chloro-3-methyl phenol	ND		1730	1180	68	1170	68	1	39-122/27
120-83-2	2,4-Dichlorophenol	ND		1730	1150	66	1120	65	3	40-115/27
105-67-9	2,4-Dimethylphenol	ND		1730	1390	80	1350	78	3	40-130/27
51-28-5	2,4-Dinitrophenol	ND		3460	1730	50	1620	47	7	1-121/39
534-52-1	4,6-Dinitro-o-cresol	ND		1730	950	55	910	53	4	1-123/40
95-48-7	2-Methylphenol	ND		1730	973	56	876	51	10	38-112/26
	3&4-Methylphenol	ND		1730	995	58	926	54	7	37-114/27
88-75-5	2-Nitrophenol	ND		1730	1250	72	1210	70	3	28-118/28
100-02-7	4-Nitrophenol	ND		1730	1070	62	1030	60	4	13-136/39
87-86-5	Pentachlorophenol	ND		1730	701	41	653	38	7	13-124/28
108-95-2	Phenol	ND		1730	917	53	845	49	8	35-109/27
95-95-4	2,4,5-Trichlorophenol	ND		1730	1220	71	1280	74	5	43-114/26
88-06-2	2,4,6-Trichlorophenol	ND		1730	1060	61	1060	61	0	43-117/26
83-32-9	Acenaphthene	ND		1730	1050	61	1050	61	0	38-116/26
208-96-8	Acenaphthylene	ND		1730	936	54	937	54	0	34-111/24
120-12-7	Anthracene	ND		1730	1100	64	1110	64	1	35-127/28
56-55-3	Benzo(a)anthracene	ND		1730	1050	61	1060	61	1	26-135/30
50-32-8	Benzo(a)pyrene	ND		1730	1070	62	1110	64	4	30-131/30
205-99-2	Benzo(b)fluoranthene	ND		1730	1260	73	1300	75	3	24-135/33
191-24-2	Benzo(g,h,i)perylene	ND		1730	1040	60	1090	63	5	30-129/29
207-08-9	Benzo(k)fluoranthene	ND		1730	1330	77	1380	80	4	27-131/33
101-55-3	4-Bromophenyl phenyl ether	ND		1730	1180	68	1190	69	1	41-122/25
85-68-7	Butyl benzyl phthalate	ND		1730	1290	75	1280	74	1	38-130/27
91-58-7	2-Chloronaphthalene	ND		1730	992	57	1000	58	1	42-113/24
106-47-8	4-Chloroaniline	ND		1730	609	35	689	40	12	14-91/34
86-74-8	Carbazole	ND		1730	1160	67	1180	68	2	40-126/26
218-01-9	Chrysene	ND		1730	1050	61	1080	62	3	27-135/30
111-91-1	bis(2-Chloroethoxy)methane	ND		1730	980	57	964	56	2	35-120/25
111-44-4	bis(2-Chloroethyl)ether	ND		1730	894	52	817	47	9	29-124/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		1730	925	53	847	49	9	34-110/24
7005-72-3	4-Chlorophenyl phenyl ether	ND		1730	1100	64	1100	64	0	40-119/24
95-50-1	1,2-Dichlorobenzene	ND		1730	1020	59	940	54	8	33-110/24
541-73-1	1,3-Dichlorobenzene	ND		1730	864	50	800	46	8	34-104/24
106-46-7	1,4-Dichlorobenzene	ND		1730	896	52	826	48	8	34-105/23
121-14-2	2,4-Dinitrotoluene	ND		1730	1220	71	1210	70	1	31-123/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MS	P46010.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
OP40672-MSD	P46011.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
JA31184-1	P45979.D	1	11/06/09	LP	10/29/09	OP40672	EP1963

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	JA31184-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		1730	1870	108	1860	108	1	35-128/27
91-94-1	3,3'-Dichlorobenzidine	ND		1730	981	57	1040	60	6	12-113/35
53-70-3	Dibenzo(a,h)anthracene	ND		1730	1020	59	1060	61	4	35-129/28
132-64-9	Dibenzofuran	ND		1730	1140	66	1150	66	1	36-125/26
84-74-2	Di-n-butyl phthalate	ND		1730	1220	71	1230	71	1	39-124/25
117-84-0	Di-n-octyl phthalate	ND		1730	1350	78	1360	79	1	33-135/27
84-66-2	Diethyl phthalate	ND		1730	1210	70	1210	70	0	41-116/25
131-11-3	Dimethyl phthalate	ND		1730	1140	66	1130	65	1	42-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1730	1290	75	1290	75	0	35-140/30
206-44-0	Fluoranthene	ND		1730	1050	61	1080	62	3	24-133/34
86-73-7	Fluorene	ND		1730	1090	63	1080	62	1	37-124/27
118-74-1	Hexachlorobenzene	ND		1730	1160	67	1180	68	2	40-116/24
87-68-3	Hexachlorobutadiene	ND		1730	1140	66	1120	65	2	31-122/26
77-47-4	Hexachlorocyclopentadiene	ND		3460	1170	34	1080	31	8	1-127/37
67-72-1	Hexachloroethane	ND		1730	998	58	926	54	7	26-108/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1730	1100	64	1130	65	3	32-130/29
78-59-1	Isophorone	ND		1730	973	56	951	55	2	35-117/25
91-57-6	2-Methylnaphthalene	ND		1730	1040	60	1020	59	2	29-130/28
88-74-4	2-Nitroaniline	ND		1730	1270	73	1300	75	2	33-133/30
99-09-2	3-Nitroaniline	ND		1730	1060	61	988	57	7	24-108/31
100-01-6	4-Nitroaniline	ND		1730	1110	64	1140	66	3	25-117/31
91-20-3	Naphthalene	ND		1730	960	56	944	55	2	32-116/28
98-95-3	Nitrobenzene	ND		1730	1040	60	1000	58	4	32-120/26
621-64-7	N-Nitroso-di-n-propylamine	ND		1730	928	54	886	51	5	30-124/25
86-30-6	N-Nitrosodiphenylamine	ND		1730	1130	65	1160	67	3	38-143/27
85-01-8	Phenanthrene	ND		1730	1090	63	1110	64	2	26-135/33
129-00-0	Pyrene	ND		1730	1130	65	1110	64	2	23-139/33
120-82-1	1,2,4-Trichlorobenzene	ND		1730	1040	60	1000	58	4	36-113/24

CAS No.	Surrogate Recoveries	MS	MSD	JA31184-1	Limits
367-12-4	2-Fluorophenol	52%	48%		30-109%
4165-62-2	Phenol-d5	55%	52%		28-108%
118-79-6	2,4,6-Tribromophenol	84%	84%		28-125%
4165-60-0	Nitrobenzene-d5	81%	80%	69%	28-113%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40672-MS	P46010.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
OP40672-MSD	P46011.D	1	11/06/09	NAP	10/29/09	OP40672	EP1964
JA31184-1	P45979.D	1	11/06/09	LP	10/29/09	OP40672	EP1963

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Surrogate Recoveries	MS	MSD	JA31184-1	Limits
321-60-8	2-Fluorobiphenyl	80%	81%	76%	38-107%
1718-51-0	Terphenyl-d14	81%	83%	81%	31-116%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MS	3E22778.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
OP40693-MSD	3E22779.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
JA31382-1	3E22893.D	1	11/10/09	OYA	10/30/09	OP40693	E3E1039

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	JA31382-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		114	89.7	79	90.5	80	1	32-102/33
59-50-7	4-Chloro-3-methyl phenol	ND		114	103	91	105	92	2	38-126/30
120-83-2	2,4-Dichlorophenol	ND		114	103	91	104	92	1	33-116/34
105-67-9	2,4-Dimethylphenol	ND		114	105	92	106	93	1	30-128/32
51-28-5	2,4-Dinitrophenol	ND		227	115	51	115	51	0	20-151/29
534-52-1	4,6-Dinitro-o-cresol	ND		114	61.5	54	61.4	54	0	31-135/29
95-48-7	2-Methylphenol	ND		114	91.9	81	95.5	84	4	26-111/33
	3&4-Methylphenol	ND		114	88.6	78	93.8	83	6	26-111/33
88-75-5	2-Nitrophenol	ND		114	89.6	79	88.8	78	1	29-116/35
100-02-7	4-Nitrophenol	ND		114	65.3	57	70.9	62	8	10-123/35
87-86-5	Pentachlorophenol	ND		114	80.3	71	75.0	66	7	34-133/26
108-95-2	Phenol	ND		114	64.5	57	79.6	70	21	14-85/37
95-95-4	2,4,5-Trichlorophenol	ND		114	101	89	100	88	1	44-121/26
88-06-2	2,4,6-Trichlorophenol	ND		114	102	90	101	89	1	41-119/28
83-32-9	Acenaphthene	ND		114	95.3	84	93.5	82	2	37-114/31
208-96-8	Acenaphthylene	ND		114	90.7	80	89.8	79	1	33-108/31
120-12-7	Anthracene	ND		114	108	95	106	93	2	48-125/26
56-55-3	Benzo(a)anthracene	ND		114	104	92	104	92	0	48-127/26
50-32-8	Benzo(a)pyrene	ND		114	111	98	110	97	1	48-128/26
205-99-2	Benzo(b)fluoranthene	ND		114	99.8	88	103	91	3	41-133/29
191-24-2	Benzo(g,h,i)perylene	ND		114	103	91	101	89	2	42-134/27
207-08-9	Benzo(k)fluoranthene	ND		114	95.3	84	90.6	80	5	45-133/30
101-55-3	4-Bromophenyl phenyl ether	ND		114	103	91	101	89	2	47-123/28
85-68-7	Butyl benzyl phthalate	ND		114	110	97	108	95	2	47-137/27
91-58-7	2-Chloronaphthalene	ND		114	97.5	86	95.3	84	2	35-110/32
106-47-8	4-Chloroaniline	ND		114	91.6	81	92.6	81	1	22-98/36
86-74-8	Carbazole	ND		114	122	107	119	105	2	54-127/26
218-01-9	Chrysene	ND		114	99.1	87	98.2	86	1	49-125/25
111-91-1	bis(2-Chloroethoxy)methane	ND		114	94.9	84	94.3	83	1	33-116/36
111-44-4	bis(2-Chloroethyl)ether	ND		114	86.8	76	82.8	73	5	24-124/34
108-60-1	bis(2-Chloroisopropyl)ether	ND		114	85.6	75	84.5	74	1	31-104/35
7005-72-3	4-Chlorophenyl phenyl ether	ND		114	95.1	84	94.5	83	1	42-119/28
95-50-1	1,2-Dichlorobenzene	ND		114	79.7	70	80.0	70	0	19-92/36
541-73-1	1,3-Dichlorobenzene	ND		114	77.3	68	78.5	69	2	20-84/37
106-46-7	1,4-Dichlorobenzene	ND		114	80.3	71	80.2	71	0	20-86/36
121-14-2	2,4-Dinitrotoluene	ND		114	102	90	99.5	88	2	45-129/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MS	3E22778.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
OP40693-MSD	3E22779.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
JA31382-1	3E22893.D	1	11/10/09	OYA	10/30/09	OP40693	E3E1039

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Compound	JA31382-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		114	102	90	101	89	1	46-132/29
91-94-1	3,3'-Dichlorobenzidine	ND		114	114	100	115	101	1	17-119/36
53-70-3	Dibenzo(a,h)anthracene	ND		114	109	96	108	95	1	45-136/27
132-64-9	Dibenzofuran	ND		114	102	90	101	89	1	44-114/30
84-74-2	Di-n-butyl phthalate	ND		114	120	106	116	102	3	49-134/26
117-84-0	Di-n-octyl phthalate	ND		114	115	101	113	99	2	46-140/25
84-66-2	Diethyl phthalate	ND		114	108	95	106	93	2	46-123/27
131-11-3	Dimethyl phthalate	ND		114	104	92	102	90	2	39-123/32
117-81-7	bis(2-Ethylhexyl)phthalate	ND		114	114	100	111	98	3	49-141/27
206-44-0	Fluoranthene	ND		114	102	90	99.7	88	2	46-127/27
86-73-7	Fluorene	ND		114	105	92	102	90	3	44-121/29
118-74-1	Hexachlorobenzene	ND		114	96.4	85	94.3	83	2	46-120/27
87-68-3	Hexachlorobutadiene	ND		114	79.9	70	81.7	72	2	15-99/39
77-47-4	Hexachlorocyclopentadiene	ND		227	109	48	107	47	2	4-124/39
67-72-1	Hexachloroethane	ND		114	70.6	62	71.3	63	1	16-86/39
193-39-5	Indeno(1,2,3-cd)pyrene	ND		114	109	96	107	94	2	43-137/28
78-59-1	Isophorone	ND		114	88.3	78	89.1	78	1	33-117/36
91-57-6	2-Methylnaphthalene	ND		114	93.0	82	92.6	81	0	22-117/37
88-74-4	2-Nitroaniline	ND		114	110	97	108	95	2	37-135/29
99-09-2	3-Nitroaniline	ND		114	105	92	102	90	3	34-115/28
100-01-6	4-Nitroaniline	ND		114	119	105	115	101	3	36-128/30
91-20-3	Naphthalene	ND		114	84.9	75	85.4	75	1	22-106/35
98-95-3	Nitrobenzene	ND		114	96.1	85	96.4	85	0	30-116/37
621-64-7	N-Nitroso-di-n-propylamine	ND		114	85.9	76	85.9	76	0	32-118/35
86-30-6	N-Nitrosodiphenylamine	ND		114	113	99	111	98	2	42-145/27
85-01-8	Phenanthrene	ND		114	102	90	99.6	88	2	45-127/27
129-00-0	Pyrene	ND		114	108	95	106	93	2	45-129/26
120-82-1	1,2,4-Trichlorobenzene	ND		114	83.5	73	83.9	74	0	23-97/37

CAS No.	Surrogate Recoveries	MS	MSD	JA31382-1	Limits
367-12-4	2-Fluorophenol	65%	74%* [a]	40%	13-68%
4165-62-2	Phenol-d5	52%* [a]	74%* [a]	25%	10-49%
118-79-6	2,4,6-Tribromophenol	93%	93%	104%	37-130%
4165-60-0	Nitrobenzene-d5	110%	109%	106%	25-112%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40693-MS	3E22778.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
OP40693-MSD	3E22779.D	1	11/02/09	OYA	10/30/09	OP40693	E3E1034
JA31382-1	3E22893.D	1	11/10/09	OYA	10/30/09	OP40693	E3E1039

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-26

CAS No.	Surrogate Recoveries	MS	MSD	JA31382-1	Limits
321-60-8	2-Fluorobiphenyl	108%* [a]	106%	107%* [a]	31-106%
1718-51-0	Terphenyl-d14	115%	115%	109%	14-122%

(a) Outside of in house control limits, but within reasonable method recovery limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MS	Z51915.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
OP40729-MSD	Z51916.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
JA31420-3	Z51914.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	JA31420-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1720	1340	78	1380	80	3	41-106/24
59-50-7	4-Chloro-3-methyl phenol	ND		1720	1370	80	1460	85	6	39-122/27
120-83-2	2,4-Dichlorophenol	ND		1720	1410	82	1520	88	8	40-115/27
105-67-9	2,4-Dimethylphenol	ND		1720	1600	93	1720	100	7	40-130/27
51-28-5	2,4-Dinitrophenol	ND		3450	2600	75	2860	83	10	1-121/39
534-52-1	4,6-Dinitro-o-cresol	ND		1720	1390	81	1520	88	9	1-123/40
95-48-7	2-Methylphenol	ND		1720	1280	74	1330	77	4	38-112/26
	3&4-Methylphenol	ND		1720	1280	74	1340	78	5	37-114/27
88-75-5	2-Nitrophenol	ND		1720	1570	91	1680	97	7	28-118/28
100-02-7	4-Nitrophenol	ND		1720	1370	80	1430	83	4	13-136/39
87-86-5	Pentachlorophenol	ND		1720	1630	95	1740	101	7	13-124/28
108-95-2	Phenol	ND		1720	1260	73	1310	76	4	35-109/27
95-95-4	2,4,5-Trichlorophenol	ND		1720	1460	85	1550	90	6	43-114/26
88-06-2	2,4,6-Trichlorophenol	ND		1720	1470	85	1570	91	7	43-117/26
83-32-9	Acenaphthene	ND		1720	1290	75	1320	77	2	38-116/26
208-96-8	Acenaphthylene	ND		1720	1220	71	1250	73	2	34-111/24
120-12-7	Anthracene	ND		1720	1400	81	1440	84	3	35-127/28
56-55-3	Benzo(a)anthracene	ND		1720	1280	74	1320	77	3	26-135/30
50-32-8	Benzo(a)pyrene	ND		1720	1410	82	1450	84	3	30-131/30
205-99-2	Benzo(b)fluoranthene	ND		1720	1310	76	1340	78	2	24-135/33
191-24-2	Benzo(g,h,i)perylene	ND		1720	1310	76	1360	79	4	30-129/29
207-08-9	Benzo(k)fluoranthene	ND		1720	1250	73	1290	75	3	27-131/33
101-55-3	4-Bromophenyl phenyl ether	ND		1720	1440	84	1480	86	3	41-122/25
85-68-7	Butyl benzyl phthalate	ND		1720	1600	93	1650	96	3	38-130/27
91-58-7	2-Chloronaphthalene	ND		1720	1320	77	1350	78	2	42-113/24
106-47-8	4-Chloroaniline	ND		1720	922	54	981	57	6	14-91/34
86-74-8	Carbazole	ND		1720	1430	83	1440	84	1	40-126/26
218-01-9	Chrysene	ND		1720	1320	77	1350	78	2	27-135/30
111-91-1	bis(2-Chloroethoxy)methane	ND		1720	1370	80	1420	82	4	35-120/25
111-44-4	bis(2-Chloroethyl)ether	ND		1720	1300	75	1310	76	1	29-124/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		1720	1260	73	1290	75	2	34-110/24
7005-72-3	4-Chlorophenyl phenyl ether	ND		1720	1280	74	1320	77	3	40-119/24
95-50-1	1,2-Dichlorobenzene	ND		1720	1290	75	1310	76	2	33-110/24
541-73-1	1,3-Dichlorobenzene	ND		1720	1260	73	1280	74	2	34-104/24
106-46-7	1,4-Dichlorobenzene	ND		1720	1280	74	1300	75	2	34-105/23
121-14-2	2,4-Dinitrotoluene	ND		1720	1440	84	1500	87	4	31-123/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MS	Z51915.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
OP40729-MSD	Z51916.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
JA31420-3	Z51914.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Compound	JA31420-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		1720	1470	85	1520	88	3	35-128/27
91-94-1	3,3'-Dichlorobenzidine	ND		1720	1260	73	1320	77	5	12-113/35
53-70-3	Dibenzo(a,h)anthracene	ND		1720	1340	78	1380	80	3	35-129/28
132-64-9	Dibenzofuran	ND		1720	1330	77	1370	80	3	36-125/26
84-74-2	Di-n-butyl phthalate	ND		1720	1410	82	1440	84	2	39-124/25
117-84-0	Di-n-octyl phthalate	ND		1720	1640	95	1710	99	4	33-135/27
84-66-2	Diethyl phthalate	ND		1720	1290	75	1310	76	2	41-116/25
131-11-3	Dimethyl phthalate	ND		1720	1360	79	1390	81	2	42-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	41.5	J	1720	1560	88	1630	92	4	35-140/30
206-44-0	Fluoranthene	ND		1720	1290	75	1290	75	0	24-133/34
86-73-7	Fluorene	ND		1720	1280	74	1310	76	2	37-124/27
118-74-1	Hexachlorobenzene	ND		1720	1350	78	1380	80	2	40-116/24
87-68-3	Hexachlorobutadiene	ND		1720	1450	84	1490	86	3	31-122/26
77-47-4	Hexachlorocyclopentadiene	ND		3450	2770	80	2880	84	4	1-127/37
67-72-1	Hexachloroethane	ND		1720	1280	74	1310	76	2	26-108/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1720	1350	78	1410	82	4	32-130/29
78-59-1	Isophorone	ND		1720	1310	76	1350	78	3	35-117/25
91-57-6	2-Methylnaphthalene	ND		1720	1250	73	1300	75	4	29-130/28
88-74-4	2-Nitroaniline	ND		1720	1420	82	1460	85	3	33-133/30
99-09-2	3-Nitroaniline	ND		1720	1180	68	1220	71	3	24-108/31
100-01-6	4-Nitroaniline	ND		1720	1370	80	1410	82	3	25-117/31
91-20-3	Naphthalene	ND		1720	1270	74	1300	75	2	32-116/28
98-95-3	Nitrobenzene	ND		1720	1400	81	1430	83	2	32-120/26
621-64-7	N-Nitroso-di-n-propylamine	ND		1720	1200	70	1240	72	3	30-124/25
86-30-6	N-Nitrosodiphenylamine	ND		1720	1440	84	1470	85	2	38-143/27
85-01-8	Phenanthrene	ND		1720	1310	76	1330	77	2	26-135/33
129-00-0	Pyrene	ND		1720	1340	78	1360	79	1	23-139/33
120-82-1	1,2,4-Trichlorobenzene	ND		1720	1370	80	1400	81	2	36-113/24

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-3	Limits
367-12-4	2-Fluorophenol	76%	80%	74%	30-109%
4165-62-2	Phenol-d5	72%	76%	72%	28-108%
118-79-6	2,4,6-Tribromophenol	93%	98%	94%	28-125%
4165-60-0	Nitrobenzene-d5	100%	105%	102%	28-113%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40729-MS	Z51915.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
OP40729-MSD	Z51916.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904
JA31420-3	Z51914.D	1	11/09/09	VN	11/03/09	OP40729	EZ1904

The QC reported here applies to the following samples: **Method:** SW846 8270C

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-3	Limits
321-60-8	2-Fluorobiphenyl	97%	102%	102%	38-107%
1718-51-0	Terphenyl-d14	90%	94%	92%	31-116%

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E996-DFTPP
Lab File ID: 3E21944.D
Instrument ID: GCMS3E
Injection Date: 09/21/09
Injection Time: 10:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19688	37.3		Pass
68	Less than 2.0% of mass 69	265	0.5	(1.4) [a]	Pass
69	Mass 69 relative abundance	19268	36.5		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	30818	58.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	52720	100.0		Pass
199	5.0 - 9.0% of mass 198	3592	6.8		Pass
275	10.0 - 30.0% of mass 198	12211	23.2		Pass
365	1.0 - 100.0% of mass 198	1708	3.2		Pass
441	Present, but less than mass 443	7274	13.8	(75.8) [b]	Pass
442	40.0 - 100.0% of mass 198	50317	95.4		Pass
443	17.0 - 23.0% of mass 442	9592	18.2	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E996-IC996	3E21945.D	09/21/09	12:07	01:23	Initial cal 100
E3E996-IC996	3E21946.D	09/21/09	12:45	02:01	Initial cal 2
E3E996-IC996	3E21947.D	09/21/09	13:19	02:35	Initial cal 25
E3E996-ICC996	3E21948.D	09/21/09	13:55	03:11	Initial cal 50
E3E996-IC996	3E21949.D	09/21/09	14:30	03:46	Initial cal 1
E3E996-IC996	3E21950.D	09/21/09	15:06	04:22	Initial cal 5
E3E996-IC996	3E21951.D	09/21/09	15:41	04:57	Initial cal 10
E3E996-IC996	3E21952.D	09/21/09	16:17	05:33	Initial cal 80
E3E996-ICV996	3E21953.D	09/21/09	16:52	06:08	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-DFTPP
Lab File ID: 3E21964.D
Instrument ID: GCMS3E
Injection Date: 09/22/09
Injection Time: 08:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	24456	35.9		Pass
68	Less than 2.0% of mass 69	351	0.52	(1.5) [a]	Pass
69	Mass 69 relative abundance	23758	34.9		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	40661	59.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	68085	100.0		Pass
199	5.0 - 9.0% of mass 198	4681	6.9		Pass
275	10.0 - 30.0% of mass 198	15447	22.7		Pass
365	1.0 - 100.0% of mass 198	2194	3.2		Pass
441	Present, but less than mass 443	9264	13.6	(75.9) [b]	Pass
442	40.0 - 100.0% of mass 198	63448	93.2		Pass
443	17.0 - 23.0% of mass 442	12211	17.9	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E998-ICC998	3E21965.D	09/22/09	08:49	00:12	Initial cal 50
E3E998-IC998	3E21966.D	09/22/09	09:25	00:48	Initial cal 25
E3E998-IC998	3E21967.D	09/22/09	10:01	01:24	Initial cal 100
E3E998-IC998	3E21968.D	09/22/09	10:36	01:59	Initial cal 80
E3E998-IC998	3E21969.D	09/22/09	11:12	02:35	Initial cal 10
E3E998-IC998	3E21970.D	09/22/09	11:47	03:10	Initial cal 5
E3E998-IC998	3E21971.D	09/22/09	12:23	03:46	Initial cal 2
E3E998-IC998	3E21972.D	09/22/09	12:58	04:21	Initial cal 1
E3E998-ICV996	3E21973.D	09/22/09	13:34	04:57	Initial cal verification 50
E3E998-ICV996	3E21974.D	09/22/09	14:09	05:32	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1034-DFTPP
Lab File ID: 3E22759.D
Instrument ID: GCMS3E
Injection Date: 11/02/09
Injection Time: 09:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	3335	35.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	3467	37.3		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	5260	56.6		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	9286	100.0		Pass
199	5.0 - 9.0% of mass 198	669	7.2		Pass
275	10.0 - 30.0% of mass 198	2239	24.1		Pass
365	1.0 - 100.0% of mass 198	224	2.4		Pass
441	Present, but less than mass 443	1398	15.1	(79.3) [b]	Pass
442	40.0 - 100.0% of mass 198	9059	97.6		Pass
443	17.0 - 23.0% of mass 442	1763	19.0	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1034-CC996	3E22760.D	11/02/09	09:42	00:26	Continuing cal 50
E3E1034-CC998	3E22761.D	11/02/09	10:17	01:01	Continuing cal 50
OP40706-MB1	3E22762.D	11/02/09	10:53	01:37	Method Blank
OP40706-BS1	3E22763.D	11/02/09	11:29	02:13	Blank Spike
OP40693-MB1	3E22764.D	11/02/09	12:04	02:48	Method Blank
OP40693-BS1	3E22765.D	11/02/09	12:40	03:24	Blank Spike
ZZZZZZ	3E22766.D	11/02/09	13:16	04:00	(unrelated sample)
ZZZZZZ	3E22767.D	11/02/09	13:52	04:36	(unrelated sample)
ZZZZZZ	3E22768.D	11/02/09	14:28	05:12	(unrelated sample)
ZZZZZZ	3E22769.D	11/02/09	15:04	05:48	(unrelated sample)
ZZZZZZ	3E22770.D	11/02/09	15:39	06:23	(unrelated sample)
ZZZZZZ	3E22771.D	11/02/09	16:15	06:59	(unrelated sample)
ZZZZZZ	3E22772.D	11/02/09	16:51	07:35	(unrelated sample)
OP40706-MS	3E22773.D	11/02/09	17:27	08:11	Matrix Spike
OP40706-MSD	3E22774.D	11/02/09	18:03	08:47	Matrix Spike Duplicate
JA31616-1	3E22775.D	11/02/09	18:39	09:23	(used for QC only; not part of job JA31420)
ZZZZZZ	3E22776.D	11/02/09	19:15	09:59	(unrelated sample)
ZZZZZZ	3E22777.D	11/02/09	19:50	10:34	(unrelated sample)
OP40693-MS	3E22778.D	11/02/09	20:26	11:10	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1034-DFTPP
Lab File ID: 3E22759.D
Instrument ID: GCMS3E
Injection Date: 11/02/09
Injection Time: 09:16

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40693-MSD	3E22779.D	11/02/09	21:02	11:46	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1040-DFTPP
Lab File ID: 3E22909.D
Instrument ID: GCMS3E
Injection Date: 11/11/09
Injection Time: 13:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	8552	32.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	9081	34.6		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	15104	57.6		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	26240	100.0		Pass
199	5.0 - 9.0% of mass 198	1753	6.7		Pass
275	10.0 - 30.0% of mass 198	5775	22.0		Pass
365	1.0 - 100.0% of mass 198	772	2.9		Pass
441	Present, but less than mass 443	3354	12.8	(74.1) [b]	Pass
442	40.0 - 100.0% of mass 198	23949	91.3		Pass
443	17.0 - 23.0% of mass 442	4528	17.3	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1040-CC996	3E22910.D	11/11/09	14:52	01:16	Continuing cal 50
E3E1040-CC998	3E22911.D	11/11/09	15:37	02:01	Continuing cal 50
OP40798-MB1	3E22914.D	11/11/09	17:24	03:48	Method Blank
OP40798-BS1	3E22915.D	11/11/09	18:00	04:24	Blank Spike
JA31420-26	3E22916.D	11/11/09	18:35	04:59	FIELD BLANK
OP40798-MS	3E22917.D	11/11/09	19:11	05:35	Matrix Spike
OP40798-MSD	3E22918.D	11/11/09	19:46	06:10	Matrix Spike Duplicate
JA31708-3	3E22919.D	11/11/09	20:22	06:46	(used for QC only; not part of job JA31420)
ZZZZZZ	3E22920.D	11/11/09	20:58	07:22	(unrelated sample)
ZZZZZZ	3E22921.D	11/11/09	21:34	07:58	(unrelated sample)
ZZZZZZ	3E22922.D	11/11/09	22:09	08:33	(unrelated sample)
ZZZZZZ	3E22923.D	11/11/09	22:45	09:09	(unrelated sample)
ZZZZZZ	3E22924.D	11/11/09	23:21	09:45	(unrelated sample)
ZZZZZZ	3E22926.D	11/12/09	00:32	10:56	(unrelated sample)
ZZZZZZ	3E22927.D	11/12/09	01:07	11:31	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1925-DFTPP
Lab File ID: P45153.D
Instrument ID: GCMSP
Injection Date: 09/24/09
Injection Time: 21:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13345	37.2		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	15032	41.9		Pass
70	Less than 2.0% of mass 69	17	0.05	(0.11) [a]	Pass
127	40.0 - 60.0% of mass 198	18362	51.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	35837	100.0		Pass
199	5.0 - 9.0% of mass 198	2452	6.8		Pass
275	10.0 - 30.0% of mass 198	8696	24.3		Pass
365	1.0 - 100.0% of mass 198	1060	3.0		Pass
441	Present, but less than mass 443	5104	14.2	(92.5) [b]	Pass
442	40.0 - 100.0% of mass 198	28416	79.3		Pass
443	17.0 - 23.0% of mass 442	5520	15.4	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP1925-ICC1925	P45154.D	09/24/09	22:12	00:16	Initial cal 50
EP1925-IC1925	P45155.D	09/24/09	22:46	00:50	Initial cal 100
EP1925-IC1925	P45156.D	09/24/09	23:20	01:24	Initial cal 80
EP1925-IC1925	P45157.D	09/24/09	23:54	01:58	Initial cal 25
EP1925-IC1925	P45158.D	09/25/09	00:28	02:32	Initial cal 10
EP1925-IC1925	P45159.D	09/25/09	01:02	03:06	Initial cal 5
EP1925-IC1925	P45160.D	09/25/09	01:36	03:40	Initial cal 2
EP1925-IC1925	P45161.D	09/25/09	02:10	04:14	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1926-DFTPP
Lab File ID: P45166.D
Instrument ID: GCMSP
Injection Date: 09/25/09
Injection Time: 02:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	18283	38.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	19766	41.6		Pass
70	Less than 2.0% of mass 69	101	0.21	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	24802	52.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	47509	100.0		Pass
199	5.0 - 9.0% of mass 198	3505	7.4		Pass
275	10.0 - 30.0% of mass 198	11137	23.4		Pass
365	1.0 - 100.0% of mass 198	1454	3.1		Pass
441	Present, but less than mass 443	5991	12.6	(86.0) [b]	Pass
442	40.0 - 100.0% of mass 198	35136	74.0		Pass
443	17.0 - 23.0% of mass 442	6966	14.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP1926-IC1926	P45167.D	09/25/09	02:52	00:16	Initial cal 100
EP1926-IC1926	P45168.D	09/25/09	03:25	00:49	Initial cal 80
EP1926-ICC1926	P45169.D	09/25/09	03:59	01:23	Initial cal 50
EP1926-IC1926	P45170.D	09/25/09	04:32	01:56	Initial cal 25
EP1926-IC1926	P45171.D	09/25/09	05:06	02:30	Initial cal 10
EP1926-IC1926	P45172.D	09/25/09	05:39	03:03	Initial cal 5
EP1926-IC1926	P45173.D	09/25/09	06:12	03:36	Initial cal 2
EP1926-IC1926	P45174.D	09/25/09	06:46	04:10	Initial cal 1
EP1926-ICV1925	P45177.D	09/25/09	08:26	05:50	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1962-DFTPP
Lab File ID: P45947.D
Instrument ID: GCMSP
Injection Date: 11/05/09
Injection Time: 07:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14212	36.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	16290	41.8		Pass
70	Less than 2.0% of mass 69	52	0.13	(0.32) [a]	Pass
127	40.0 - 60.0% of mass 198	20782	53.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	38989	100.0		Pass
199	5.0 - 9.0% of mass 198	2678	6.9		Pass
275	10.0 - 30.0% of mass 198	10656	27.3		Pass
365	1.0 - 100.0% of mass 198	1634	4.2		Pass
441	Present, but less than mass 443	5190	13.3	(86.0) [b]	Pass
442	40.0 - 100.0% of mass 198	30482	78.2		Pass
443	17.0 - 23.0% of mass 442	6037	15.5	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP1962-CC1925	P45948.D	11/05/09	08:04	00:15	Continuing cal 50
OP40672-MB1	P45950.D	11/05/09	09:19	01:30	Method Blank
ZZZZZZ	P45951.D	11/05/09	09:53	02:04	(unrelated sample)
ZZZZZZ	P45952.D	11/05/09	10:25	02:36	(unrelated sample)
OP40591-MB1	P45966.D	11/05/09	12:49	05:00	Method Blank
ZZZZZZ	P45967.D	11/05/09	13:22	05:33	(unrelated sample)
OP40765-MB1	P45955.D	11/05/09	13:55	06:06	Method Blank
OP40765-BS1	P45956.D	11/05/09	14:28	06:39	Blank Spike
JA32036-1	P45957.D	11/05/09	15:01	07:12	(used for QC only; not part of job JA31420)
ZZZZZZ	P45958.D	11/05/09	15:34	07:45	(unrelated sample)
ZZZZZZ	P45959.D	11/05/09	16:08	08:19	(unrelated sample)
ZZZZZZ	P45960.D	11/05/09	16:41	08:52	(unrelated sample)
ZZZZZZ	P45961.D	11/05/09	17:14	09:25	(unrelated sample)
JA32036-1	P45968.D	11/05/09	17:47	09:58	(used for QC only; not part of job JA31420)
ZZZZZZ	P45969.D	11/05/09	18:21	10:32	(unrelated sample)
ZZZZZZ	P45970.D	11/05/09	18:53	11:04	(unrelated sample)
ZZZZZZ	P45962.D	11/05/09	19:26	11:37	(unrelated sample)
ZZZZZZ	P45963.D	11/05/09	19:59	12:10	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1964-DFTPP
Lab File ID: P45994.D
Instrument ID: GCMSP
Injection Date: 11/06/09
Injection Time: 10:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11858	35.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	13353	39.9		Pass
70	Less than 2.0% of mass 69	54	0.16	(0.4) [a]	Pass
127	40.0 - 60.0% of mass 198	17068	51.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	33434	100.0		Pass
199	5.0 - 9.0% of mass 198	2431	7.3		Pass
275	10.0 - 30.0% of mass 198	8685	26.0		Pass
365	1.0 - 100.0% of mass 198	1511	4.5		Pass
441	Present, but less than mass 443	5022	15.0	(86.5) [b]	Pass
442	40.0 - 100.0% of mass 198	28981	86.7		Pass
443	17.0 - 23.0% of mass 442	5803	17.4	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP1964-CC1925	P45995.D	11/06/09	11:17	00:39	Continuing cal 25
EP1964-CC1926	P45996.D	11/06/09	11:57	01:19	Continuing cal 25
OP40672-MB1	P45997.D	11/06/09	12:29	01:51	Method Blank
OP40672-BS1	P45998.D	11/06/09	13:02	02:24	Blank Spike
OP40565-MB3	P45999.D	11/06/09	13:34	02:56	Method Blank
OP40565-BS3	P46000.D	11/06/09	14:07	03:29	Blank Spike
ZZZZZZ	P46001.D	11/06/09	14:40	04:02	(unrelated sample)
JA31420-21	P46002.D	11/06/09	15:12	04:34	NLF-5-0-2
JA31420-23	P46003.D	11/06/09	15:45	05:07	4LF-5-4-6
JA31420-24	P46004.D	11/06/09	16:17	05:39	NLF-5-6-8
ZZZZZZ	P46009.D	11/06/09	16:50	06:12	(unrelated sample)
JA31420-25	P46005.D	11/06/09	17:22	06:44	NLF-5-8-10
ZZZZZZ	P46006.D	11/06/09	17:55	07:17	(unrelated sample)
ZZZZZZ	P46007.D	11/06/09	18:27	07:49	(unrelated sample)
ZZZZZZ	P46008.D	11/06/09	19:00	08:22	(unrelated sample)
OP40672-MS	P46010.D	11/06/09	19:33	08:55	Matrix Spike
OP40672-MSD	P46011.D	11/06/09	20:05	09:27	Matrix Spike Duplicate
OP40765-MS	P46012.D	11/06/09	20:38	10:00	Matrix Spike
OP40765-MSD	P46013.D	11/06/09	21:10	10:32	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	EP1964-DFTPP	**Injection Date:**	11/06/09
Lab File ID:	P45994.D	**Injection Time:**	10:38
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA31420-22	P46014.D	11/06/09	21:43	11:05	NLF-5-2-4
ZZZZZZ	P46015.D	11/06/09	22:15	11:37	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1890-DFTPP
Lab File ID: Z51596.D
Instrument ID: GCMSZ
Injection Date: 10/28/09
Injection Time: 21:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36097	39.3		Pass
68	Less than 2.0% of mass 69	169	0.18	(0.46) [a]	Pass
69	Mass 69 relative abundance	37103	40.4		Pass
70	Less than 2.0% of mass 69	240	0.26	(0.65) [a]	Pass
127	40.0 - 60.0% of mass 198	46477	50.6		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	91811	100.0		Pass
199	5.0 - 9.0% of mass 198	6589	7.2		Pass
275	10.0 - 30.0% of mass 198	21734	23.7		Pass
365	1.0 - 100.0% of mass 198	2858	3.1		Pass
441	Present, but less than mass 443	10654	11.6	(86.2) [b]	Pass
442	40.0 - 100.0% of mass 198	62181	67.7		Pass
443	17.0 - 23.0% of mass 442	12366	13.5	(19.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1890-ICC1890	Z51597.D	10/28/09	22:12	00:16	Initial cal 50
EZ1890-IC1890	Z51598.D	10/28/09	22:46	00:50	Initial cal 2
EZ1890-IC1890	Z51599.D	10/28/09	23:20	01:24	Initial cal 25
EZ1890-IC1890	Z51600.D	10/28/09	23:54	01:58	Initial cal 5
EZ1890-IC1890	Z51601.D	10/29/09	00:28	02:32	Initial cal 80
EZ1890-IC1890	Z51602.D	10/29/09	01:01	03:05	Initial cal 100
EZ1890-IC1890	Z51603.D	10/29/09	01:35	03:39	Initial cal 10
EZ1890-IC1890	Z51604.D	10/29/09	02:09	04:13	Initial cal 1

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-DFTPP
Lab File ID: Z51605.D
Instrument ID: GCMSZ
Injection Date: 10/29/09
Injection Time: 02:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	35587	36.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	36604	37.9		Pass
70	Less than 2.0% of mass 69	137	0.14	(0.37) [a]	Pass
127	40.0 - 60.0% of mass 198	48240	50.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	96506	100.0		Pass
199	5.0 - 9.0% of mass 198	6947	7.2		Pass
275	10.0 - 30.0% of mass 198	22746	23.6		Pass
365	1.0 - 100.0% of mass 198	3031	3.1		Pass
441	Present, but less than mass 443	11688	12.1	(83.6) [b]	Pass
442	40.0 - 100.0% of mass 198	72258	74.9		Pass
443	17.0 - 23.0% of mass 442	13981	14.5	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1891-IC1891	Z51606.D	10/29/09	03:15	00:16	Initial cal 100
EZ1891-IC1891	Z51607.D	10/29/09	03:49	00:50	Initial cal 80
EZ1891-ICC1891	Z51608.D	10/29/09	04:23	01:24	Initial cal 50
EZ1891-IC1891	Z51609.D	10/29/09	04:56	01:57	Initial cal 25
EZ1891-IC1891	Z51610.D	10/29/09	05:29	02:30	Initial cal 10
EZ1891-IC1891	Z51611.D	10/29/09	06:02	03:03	Initial cal 5
EZ1891-IC1891	Z51612.D	10/29/09	06:36	03:37	Initial cal 2
EZ1891-IC1891	Z51613.D	10/29/09	07:09	04:10	Initial cal 1
EZ1891-ICV1890	Z51615.D	10/29/09	08:14	05:15	Initial cal verification 50
EZ1891-ICV1890	Z51617.D	10/29/09	10:26	07:27	Initial cal verification 50
EZ1891-ICV1890	Z51618.D	10/29/09	10:56	07:57	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1904-DFTPP
Lab File ID: Z51909.D
Instrument ID: GCMSZ
Injection Date: 11/09/09
Injection Time: 08:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	78333	34.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	84485	36.7		Pass
70	Less than 2.0% of mass 69	321	0.14	(0.38) [a]	Pass
127	40.0 - 60.0% of mass 198	116725	50.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	230077	100.0		Pass
199	5.0 - 9.0% of mass 198	16063	7.0		Pass
275	10.0 - 30.0% of mass 198	56832	24.7		Pass
365	1.0 - 100.0% of mass 198	6942	3.0		Pass
441	Present, but less than mass 443	26001	11.3	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	161261	70.1		Pass
443	17.0 - 23.0% of mass 442	33742	14.7	(20.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1904-CC1890	Z51910.D	11/09/09	08:44	00:15	Continuing cal 25
EZ1904-CC1891	Z51911.D	11/09/09	09:14	00:45	Continuing cal 25
OP40729-MB1	Z51912.D	11/09/09	09:45	01:16	Method Blank
OP40729-BS1	Z51913.D	11/09/09	10:15	01:46	Blank Spike
JA31420-3	Z51914.D	11/09/09	10:45	02:16	NLF-1-4-6
OP40729-MS	Z51915.D	11/09/09	11:16	02:47	Matrix Spike
OP40729-MSD	Z51916.D	11/09/09	11:46	03:17	Matrix Spike Duplicate
JA31420-5	Z51917.D	11/09/09	12:17	03:48	NLF-1-8-10
JA31420-16	Z51918.D	11/09/09	12:48	04:19	NLF-4-0-2
JA31420-20	Z51919.D	11/09/09	13:18	04:49	NLF-4-8-10
JA31420-2	Z51920.D	11/09/09	13:49	05:20	NLF-1-2-4
JA31420-1	Z51921.D	11/09/09	14:19	05:50	NLF-1-0-2
JA31420-9	Z51922.D	11/09/09	14:50	06:21	NLF-2-6-8
JA31420-18	Z51923.D	11/09/09	15:21	06:52	NLF-4-4-6
JA31420-8	Z51924.D	11/09/09	15:51	07:22	NLF-2-4-6
JA31420-4	Z51925.D	11/09/09	16:21	07:52	NLF-1-6-8
JA31420-17	Z51926.D	11/09/09	16:51	08:22	NLF-4-2-4
JA31420-7	Z51927.D	11/09/09	17:21	08:52	NLF-2-2-4
JA31420-6	Z51928.D	11/09/09	17:51	09:22	NLF-2-0-2

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1904-DFTPP
Lab File ID: Z51909.D
Instrument ID: GCMSZ
Injection Date: 11/09/09
Injection Time: 08:29

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA31420-11	Z51929.D	11/09/09	18:21	09:52	NLF-3-0-2
JA31420-15	Z51930.D	11/09/09	18:51	10:22	NLF-3-8-10
JA31420-10	Z51931.D	11/09/09	19:20	10:51	NLF-2-8-10
ZZZZZZ	Z51932.D	11/09/09	19:50	11:21	(unrelated sample)
JA31420-19	Z51933.D	11/09/09	20:20	11:51	NLF-4-6-8

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1905-DFTPP
Lab File ID: Z51934.D
Instrument ID: GCMSZ
Injection Date: 11/10/09
Injection Time: 08:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	48137	36.3		Pass
68	Less than 2.0% of mass 69	231	0.17	(0.45) [a]	Pass
69	Mass 69 relative abundance	50904	38.4		Pass
70	Less than 2.0% of mass 69	306	0.23	(0.6) [a]	Pass
127	40.0 - 60.0% of mass 198	67216	50.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	132651	100.0		Pass
199	5.0 - 9.0% of mass 198	9630	7.3		Pass
275	10.0 - 30.0% of mass 198	30105	22.7		Pass
365	1.0 - 100.0% of mass 198	3671	2.8		Pass
441	Present, but less than mass 443	13889	10.5	(77.4) [b]	Pass
442	40.0 - 100.0% of mass 198	88269	66.5		Pass
443	17.0 - 23.0% of mass 442	17953	13.5	(20.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1905-CC1890	Z51935.D	11/10/09	08:38	00:14	Continuing cal 50
EZ1905-CC1891	Z51936.D	11/10/09	09:08	00:44	Continuing cal 50
JA31420-18	Z51937.D	11/10/09	09:37	01:13	NLF-4-4-6
JA31420-8	Z51938.D	11/10/09	10:06	01:42	NLF-2-4-6
JA31420-17	Z51939.D	11/10/09	10:36	02:12	NLF-4-2-4
JA31420-12	Z51940.D	11/10/09	11:05	02:41	NLF-3-2-4
JA31420-14	Z51941.D	11/10/09	11:35	03:11	NLF-3-6-8
JA31420-13	Z51942.D	11/10/09	12:04	03:40	NLF-3-4-6
JA31420-19	Z51943.D	11/10/09	12:34	04:10	NLF-4-6-8
JA31420-12	Z51944.D	11/10/09	13:04	04:40	NLF-3-2-4
JA31420-13	Z51945.D	11/10/09	13:34	05:10	NLF-3-4-6

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-DFTPP
Lab File ID: Z52088.D
Instrument ID: GCMSZ
Injection Date: 11/16/09
Injection Time: 11:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	33323	32.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	40630	39.7		Pass
70	Less than 2.0% of mass 69	344	0.34	(0.85) [a]	Pass
127	40.0 - 60.0% of mass 198	53192	51.9		Pass
197	Less than 1.0% of mass 198	244	0.24		Pass
198	Base peak, 100% relative abundance	102450	100.0		Pass
199	5.0 - 9.0% of mass 198	7394	7.2		Pass
275	10.0 - 30.0% of mass 198	27422	26.8		Pass
365	1.0 - 100.0% of mass 198	3758	3.7		Pass
441	Present, but less than mass 443	7584	7.4	(59.5) [b]	Pass
442	40.0 - 100.0% of mass 198	63684	62.2		Pass
443	17.0 - 23.0% of mass 442	12749	12.4	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1910-IC1910	Z52089.D	11/16/09	11:40	00:15	Initial cal 100
EZ1910-IC1910	Z52090.D	11/16/09	12:09	00:44	Initial cal 10
EZ1910-ICC1910	Z52091.D	11/16/09	12:39	01:14	Initial cal 50
EZ1910-IC1910	Z52092.D	11/16/09	13:08	01:43	Initial cal 5
EZ1910-IC1910	Z52093.D	11/16/09	13:37	02:12	Initial cal 25
EZ1910-IC1910	Z52094.D	11/16/09	14:07	02:42	Initial cal 80
EZ1910-IC1910	Z52095.D	11/16/09	14:36	03:11	Initial cal 2
EZ1910-IC1910	Z52096.D	11/16/09	15:06	03:41	Initial cal 1
EZ1910-ICV1910	Z52099.D	11/16/09	16:34	05:09	Initial cal verification 50
EZ1910-ICV1910	Z52100.D	11/16/09	17:38	06:13	Initial cal verification 50
EZ1910-ICV1910	Z52101.D	11/16/09	18:08	06:43	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1911-DFTPP
Lab File ID: Z52102.D
Instrument ID: GCMSZ
Injection Date: 11/16/09
Injection Time: 18:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36827	30.2		Pass
68	Less than 2.0% of mass 69	277	0.23	(0.68) [a]	Pass
69	Mass 69 relative abundance	40990	33.6		Pass
70	Less than 2.0% of mass 69	476	0.39	(1.2) [a]	Pass
127	40.0 - 60.0% of mass 198	56307	46.2		Pass
197	Less than 1.0% of mass 198	115	0.09		Pass
198	Base peak, 100% relative abundance	121894	100.0		Pass
199	5.0 - 9.0% of mass 198	9319	7.6		Pass
275	10.0 - 30.0% of mass 198	35509	29.1		Pass
365	1.0 - 100.0% of mass 198	4594	3.8		Pass
441	Present, but less than mass 443	16403	13.5	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	105830	86.8		Pass
443	17.0 - 23.0% of mass 442	22596	18.5	(21.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ1911-CC1910	Z52103.D	11/16/09	19:03	00:13	Continuing cal 25
EZ1911-CC1891	Z52104.D	11/16/09	19:33	00:43	Continuing cal 25
OP40693-MB1	Z52105.D	11/16/09	20:03	01:13	Method Blank
OP40887-MB1	Z52106.D	11/16/09	20:33	01:43	Method Blank
OP40843-MB2	Z52107.D	11/16/09	21:02	02:12	Method Blank
OP40843-BS2	Z52108.D	11/16/09	21:32	02:42	Blank Spike
ZZZZZZ	Z52111.D	11/16/09	23:01	04:11	(unrelated sample)
ZZZZZZ	Z52112.D	11/16/09	23:31	04:41	(unrelated sample)
ZZZZZZ	Z52113.D	11/17/09	00:01	05:11	(unrelated sample)
ZZZZZZ	Z52114.D	11/17/09	00:31	05:41	(unrelated sample)
ZZZZZZ	Z52115.D	11/17/09	01:01	06:11	(unrelated sample)
ZZZZZZ	Z52116.D	11/17/09	01:31	06:41	(unrelated sample)
ZZZZZZ	Z52117.D	11/17/09	02:01	07:11	(unrelated sample)
ZZZZZZ	Z52118.D	11/17/09	02:31	07:41	(unrelated sample)
ZZZZZZ	Z52119.D	11/17/09	03:01	08:11	(unrelated sample)
ZZZZZZ	Z52120.D	11/17/09	03:31	08:41	(unrelated sample)
ZZZZZZ	Z52121.D	11/17/09	04:01	09:11	(unrelated sample)
ZZZZZZ	Z52122.D	11/17/09	04:31	09:41	(unrelated sample)
ZZZZZZ	Z52123.D	11/17/09	05:00	10:10	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	EZ1911-DFTPP	**Injection Date:**	11/16/09
Lab File ID:	Z52102.D	**Injection Time:**	18:50
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z52124.D	11/17/09	05:30	10:40	(unrelated sample)
ZZZZZZ	Z52125.D	11/17/09	06:00	11:10	(unrelated sample)
ZZZZZZ	Z52126.D	11/17/09	06:29	11:39	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	E3E1034-CC996	**Injection Date:**	11/02/09
Lab File ID:	3E22760.D	**Injection Time:**	09:42
Instrument ID:	GCMS3E	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	205255	6.62	815270	9.72	486025	13.85	761237	17.22	643000	23.00	636666	25.27
Upper Limit [a]	410510	7.12	1630540	10.22	972050	14.35	1522474	17.72	1286000	23.50	1273332	25.77
Lower Limit [b]	102628	6.12	407635	9.22	243013	13.35	380619	16.72	321500	22.50	318333	24.77

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40706-MB1	186672	6.63	741995	9.72	448110	13.85	687926	17.22	601807	22.99	607335	25.26
OP40706-BS1	203535	6.63	806936	9.72	464969	13.85	717674	17.22	620305	22.99	606829	25.26
OP40693-MB1	168742	6.64	676360	9.72	403771	13.85	624156	17.21	554991	22.99	564113	25.26
OP40693-BS1	162211	6.63	640693	9.72	374119	13.85	578149	17.21	505548	22.99	493775	25.26
ZZZZZZ	185307	6.63	740021	9.72	448257	13.85	680793	17.21	596670	22.99	590922	25.26
ZZZZZZ	177917	6.63	708923	9.72	416997	13.85	626789	17.21	536297	22.99	535958	25.26
ZZZZZZ	172624	6.63	696201	9.72	414163	13.85	628539	17.21	552968	22.99	542437	25.26
ZZZZZZ	173443	6.63	692544	9.72	407681	13.85	609642	17.21	526987	22.98	519144	25.26
ZZZZZZ	181224	6.63	717000	9.72	406933	13.85	603300	17.22	535458	22.99	522127	25.27
ZZZZZZ	174770	6.63	696983	9.72	410262	13.85	621034	17.21	542455	22.98	538949	25.26
ZZZZZZ	166372	6.63	651159	9.72	382535	13.85	576415	17.22	491719	22.98	477062	25.26
OP40706-MS	245448	6.62	964711	9.72	555038	13.85	833833	17.22	713633	22.99	697830	25.26
OP40706-MSD	232926	6.62	909839	9.72	522870	13.85	784804	17.22	671274	22.99	666575	25.26
JA31616-1	199432	6.63	792517	9.72	461166	13.85	687816	17.22	605248	22.99	604609	25.26
ZZZZZZ	188801	6.62	730121	9.72	421853	13.85	623196	17.22	523099	22.98	505335	25.26
ZZZZZZ	209691	6.63	811578	9.72	466062	13.85	678991	17.21	553597	22.99	546865	25.27
OP40693-MS	195593	6.64	772015	9.73	439304	13.86	669373	17.23	545562	23.01	538640	25.28
OP40693-MSD	194875	6.64	761981	9.73	435662	13.86	660990	17.23	540442	23.01	523522	25.28

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	E3E1040-CC996	**Injection Date:**	11/11/09
Lab File ID:	3E22910.D	**Injection Time:**	14:52
Instrument ID:	GCMS3E	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	231271	6.58	949032	9.68	541022	13.81	854416	17.19	841915	22.98	819339	25.26
Upper Limit [a]	462542	7.08	1898064	10.18	1082044	14.31	1708832	17.69	1683830	23.48	1638678	25.76
Lower Limit [b]	115636	6.08	474516	9.18	270511	13.31	427208	16.69	420958	22.48	409670	24.76

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40798-MB1	158577	6.59	601567	9.70	362298	13.81	576266	17.19	547682	22.99	552936	25.26
OP40798-BS1	167458	6.57	663422	9.68	389121	13.81	609419	17.19	594607	22.98	578770	25.26
JA31420-26	208100	6.59	850852	9.69	514782	13.81	827515	17.19	814087	22.98	808505	25.26
OP40798-MS	163818	6.57	655090	9.68	379492	13.81	595915	17.19	581368	22.98	567870	25.27
OP40798-MSD	162870	6.57	648349	9.68	376729	13.81	591669	17.19	559118	22.98	546634	25.27
JA31708-3	160206	6.59	606566	9.70	374390	13.81	625709	17.19	607934	22.98	577450	25.26
ZZZZZZ	152193	6.59	560216	9.70	355357	13.81	564255	17.19	550583	22.98	517655	25.26
ZZZZZZ	165458	6.59	641565	9.69	388017	13.81	612703	17.19	592677	22.98	591192	25.26
ZZZZZZ	151200	6.59	581646	9.70	352861	13.81	568042	17.19	549261	22.98	539659	25.26
ZZZZZZ	143199	6.60	549195	9.70	339607	13.82	548864	17.19	525370	22.98	518691	25.26
ZZZZZZ	166036	6.59	653945	9.69	393674	13.81	615848	17.19	582470	22.98	579231	25.26
ZZZZZZ	223526	6.59	911445	9.69	556657	13.81	885604	17.19	842262	22.98	821836	25.26
ZZZZZZ	192984	6.59	786067	9.69	480824	13.81	763643	17.19	744887	22.98	711933	25.26

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	EP1962-CC1925	**Injection Date:**	11/05/09
Lab File ID:	P45948.D	**Injection Time:**	08:04
Instrument ID:	GCMSP	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	177948	5.26	563682	7.51	367954	11.11	669036	14.27	552321	18.73	522366	20.59
Upper Limit [a]	355896	5.76	1127364	8.01	735908	11.61	1338072	14.77	1104642	19.23	1044732	21.09
Lower Limit [b]	88974	4.76	281841	7.01	183977	10.61	334518	13.77	276161	18.23	261183	20.09

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40672-MB1	171392	5.25	609416	7.51	371556	11.10	641059	14.26	588899	18.72	464726	20.58
ZZZZZZ	181079	5.25	629751	7.50	375985	11.10	590831	14.26	493715	18.72	406461	20.58
ZZZZZZ	186196	5.25	640750	7.50	378238	11.10	614306	14.26	548268	18.72	440732	20.58
OP40591-MB1	188234	5.25	657264	7.50	404615	11.10	697836	14.26	689801	18.72	554745	20.58
ZZZZZZ	198922	5.25	679962	7.50	415413	11.10	723313	14.26	742076	18.72	614693	20.58
OP40765-MB1	175787	5.25	611838	7.50	364187	11.10	606984	14.26	572223	18.72	454595	20.57
OP40765-BS1	161766	5.25	503749	7.51	307581	11.10	535733	14.26	483410	18.72	427218	20.57
JA32036-1	129305	5.25	337905	7.51	170900*	11.13	302036*	14.28	419330	18.72	421664	20.58
ZZZZZZ	144281	5.25	440095	7.50	234550	11.10	389119	14.26	388475	18.72	372766	20.57
ZZZZZZ	147869	5.25	517304	7.50	302366	11.10	459956	14.26	341088	18.72	329868	20.58
ZZZZZZ	121669	5.26	306435	7.52	198336	11.17	312786*	14.31	388592	18.72	400180	20.58
ZZZZZZ	136293	5.26	353944	7.52	202223	11.15	304289*	14.30	378065	18.73	387915	20.58
JA32036-1	131463	5.25	396239	7.51	219319	11.11	384445	14.26	437325	18.72	410368	20.57
ZZZZZZ	126566	5.25	374530	7.51	180669*	11.12	327537*	14.27	430844	18.72	413357	20.57
ZZZZZZ	138870	5.25	411281	7.51	203798	11.11	359029	14.27	449556	18.72	429888	20.57
ZZZZZZ	184139	5.25	616956	7.50	346921	11.10	521580	14.26	469857	18.72	431569	20.57
ZZZZZZ	153015	5.25	519467	7.50	313171	11.10	503594	14.26	426904	18.72	389018	20.58

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	EP1964-CC1925	**Injection Date:**	11/06/09
Lab File ID:	P45995.D	**Injection Time:**	11:17
Instrument ID:	GCMSP	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	189870	5.24	617945	7.49	403212	11.09	718450	14.25	703019	18.71	649505	20.56
Upper Limit [a]	379740	5.74	1235890	7.99	806424	11.59	1436900	14.75	1406038	19.21	1299010	21.06
Lower Limit [b]	94935	4.74	308973	6.99	201606	10.59	359225	13.75	351510	18.21	324753	20.06

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40672-MB1	169170	5.24	582806	7.49	358500	11.08	617650	14.24	645236	18.70	558557	20.55
OP40672-BS1	150378	5.24	476365	7.49	304082	11.09	548167	14.24	510420	18.71	478312	20.55
OP40565-MB3	209510	5.24	716681	7.49	429392	11.08	717617	14.24	703414	18.70	591554	20.55
OP40565-BS3	164544	5.24	525720	7.49	333387	11.09	606341	14.24	551334	18.71	496724	20.55
ZZZZZZ	73796*	5.27	417917	7.57	226885	11.20	447026	14.25	415252	18.72	399289	20.58
JA31420-21	181253	5.24	619326	7.49	370191	11.08	607527	14.24	487866	18.70	443877	20.56
JA31420-23	210280	5.24	720813	7.49	428595	11.09	696577	14.24	631238	18.71	521308	20.56
JA31420-24	195617	5.24	679550	7.49	403766	11.09	648620	14.24	618245	18.71	509641	20.56
ZZZZZZ	165102	5.24	557175	7.49	311128	11.08	470770	14.24	379529	18.71	388540	20.57
JA31420-25	199715	5.24	696651	7.49	416628	11.08	669567	14.24	572971	18.71	478426	20.55
ZZZZZZ	115155	5.24	401661	7.49	245354	11.08	414360	14.24	395636	18.70	332534	20.55
ZZZZZZ	199721	5.24	689112	7.49	405752	11.08	668249	14.24	639519	18.71	522801	20.56
ZZZZZZ	193019	5.24	664306	7.49	392589	11.08	639887	14.24	616084	18.71	514950	20.56
OP40672-MS	146784	5.24	480209	7.49	299208	11.09	524620	14.24	470309	18.71	438062	20.56
OP40672-MSD	147512	5.24	460961	7.49	282249	11.08	480957	14.24	437179	18.71	402763	20.56
OP40765-MS	102505	5.24	279614*	7.49	144089*	11.10	256142*	14.25	312346*	18.71	313521*	20.56
OP40765-MSD	128071	5.24	341204	7.50	173637*	11.10	307458*	14.26	356673	18.71	360633	20.56
JA31420-22	197719	5.24	677036	7.49	401413	11.08	642765	14.24	601466	18.71	528660	20.56
ZZZZZZ	176757	5.24	639656	7.49	345842	11.09	472583	14.24	391670	18.72	409187	20.58

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	EZ1904-CC1890	**Injection Date:**	11/09/09
Lab File ID:	Z51910.D	**Injection Time:**	08:44
Instrument ID:	GCMSZ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	185678	4.92	637695	6.72	384982	9.48	607842	11.80	589595	15.42	537210	17.12
Upper Limit [a]	371356	5.42	1275390	7.22	769964	9.98	1215684	12.30	1179190	15.92	1074420	17.62
Lower Limit [b]	92839	4.42	318848	6.22	192491	8.98	303921	11.30	294798	14.92	268605	16.62

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40729-MB1	293186	4.92	939892	6.72	525377	9.48	755130	11.80	651525	15.41	557110	17.12
OP40729-BS1	286636	4.92	906676	6.72	510886	9.48	749914	11.80	650379	15.42	585728	17.12
JA31420-3	338686	4.92	1074558	6.72	604529	9.48	868695	11.80	768412	15.41	667609	17.11
OP40729-MS	286809	4.92	912783	6.72	514006	9.48	756238	11.80	673608	15.42	627317	17.12
OP40729-MSD	304607	4.92	955473	6.72	546632	9.48	805332	11.80	707910	15.42	657690	17.12
JA31420-5	334890	4.92	1063452	6.72	597609	9.48	858799	11.80	766103	15.41	698089	17.11
JA31420-16	321488	4.92	1024459	6.72	580790	9.48	817600	11.80	727854	15.41	650556	17.11
JA31420-20	331911	4.92	1048294	6.72	584908	9.48	818354	11.80	729078	15.41	653404	17.11
JA31420-2	332576	4.92	1061178	6.72	596807	9.48	855957	11.80	754956	15.41	666425	17.11
JA31420-1	328643	4.92	1019017	6.72	569880	9.48	810052	11.80	730471	15.41	660687	17.11
JA31420-9	279428	4.91	1041419	6.72	662767	9.48	1029605	11.80	937476	15.41	832700	17.11
JA31420-18	398602*	4.92	1269470	6.72	725712	9.48	983619	11.80	825144	15.41	720060	17.11
JA31420-8	399596*	4.92	1283009*	6.72	735488	9.47	987955	11.80	811752	15.41	681716	17.11
JA31420-4	351659	4.92	1113285	6.72	633062	9.47	882450	11.80	775628	15.41	674698	17.11
JA31420-17	390965*	4.92	1256786	6.72	709668	9.48	963340	11.80	823555	15.41	744308	17.11
JA31420-7	364757	4.92	1139471	6.72	635062	9.47	883414	11.79	764274	15.41	657817	17.11
JA31420-6	358189	4.92	1121307	6.72	622782	9.47	874605	11.79	764156	15.41	668003	17.11
JA31420-11	272123	4.91	998947	6.71	648316	9.47	1054628	11.80	1002422	15.41	853181	17.11
JA31420-15	348004	4.92	1099144	6.72	605659	9.47	838382	11.80	741423	15.41	686238	17.11
JA31420-10	371019	4.92	1154925	6.72	630757	9.47	873597	11.79	768538	15.41	721636	17.11
ZZZZZZ	383056*	4.92	1172049	6.72	642782	9.47	900910	11.80	802083	15.41	769121	17.12
JA31420-19	520053*	4.92	1734009*	6.72	1077150*	9.48	1516167*	11.80	1428423*	15.42	1308477*	17.12

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	EZ1905-CC1890	**Injection Date:**	11/10/09
Lab File ID:	Z51935.D	**Injection Time:**	08:38
Instrument ID:	GCMSZ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	145137	4.91	510512	6.71	309772	9.47	498941	11.79	472948	15.41	428650	17.11
Upper Limit [a]	290274	5.41	1021024	7.21	619544	9.97	997882	12.29	945896	15.91	857300	17.61
Lower Limit [b]	72569	4.41	255256	6.21	154886	8.97	249471	11.29	236474	14.91	214325	16.61

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
JA31420-18 [c]	292218*	4.91	984484	6.71	575205	9.47	853078	11.79	793172	15.41	716946	17.11
JA31420-8 [c]	300464*	4.91	1023184*	6.71	594619	9.47	879341	11.79	834941	15.41	676103	17.11
JA31420-17 [c]	305038*	4.91	1035745*	6.71	594917	9.47	888769	11.79	849999	15.41	787310	17.11
JA31420-12 [d]	298719*	4.91	1006843	6.71	584139	9.47	865217	11.79	802099	15.41	742184	17.11
JA31420-14	248917	4.91	859152	6.71	539220	9.47	893345	11.79	863516	15.41	750931	17.11
JA31420-13	329318*	4.91	1090905*	6.71	634281*	9.47	937505	11.79	908713	15.41	855150	17.11
JA31420-19 [c]	369279*	4.91	1316005*	6.71	896864*	9.47	1358820*	11.79	1306726*	15.41	1176715*	17.11
JA31420-12 [c]	313846*	4.91	1046246*	6.71	598533	9.47	877403	11.79	813521	15.41	749306	17.11
JA31420-13 [c]	374478*	4.91	1201651*	6.71	689304*	9.47	988198	11.79	929516	15.41	890971*	17.11

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run for internal standard areas.
(d) high internal

Semivolatile Internal Standard Area Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	EZ1911-CC1910	**Injection Date:**	11/16/09
Lab File ID:	Z52103.D	**Injection Time:**	19:03
Instrument ID:	GCMSZ	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	113628	4.89	396791	6.70	245931	9.45	391302	11.78	423118	15.40	406603	17.10
Upper Limit [a]	227256	5.39	793582	7.20	491862	9.95	782604	12.28	846236	15.90	813206	17.60
Lower Limit [b]	56814	4.39	198396	6.20	122966	8.95	195651	11.28	211559	14.90	203302	16.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP40693-MB1	126526	4.89	448793	6.69	268896	9.45	426717	11.77	463126	15.39	425098	17.10
OP40887-MB1	180699	4.89	629803	6.69	391279	9.45	607097	11.77	656960	15.40	622286	17.10
OP40843-MB2	128101	4.89	446031	6.69	273984	9.45	430099	11.77	472744	15.39	445153	17.09
OP40843-BS2	122077	4.89	412821	6.69	250599	9.45	403340	11.77	433991	15.40	429478	17.10
ZZZZZZ	120165	4.89	351842	6.69	355124	9.46	366640	11.79	433405	15.40	425148	17.10
ZZZZZZ	124986	4.89	425596	6.69	261131	9.45	412844	11.77	452224	15.39	425220	17.09
ZZZZZZ	124165	4.89	424933	6.69	257613	9.45	406440	11.77	453557	15.39	432763	17.09
ZZZZZZ	130146	4.89	448669	6.69	273668	9.45	435333	11.77	473727	15.39	450407	17.10
ZZZZZZ	128767	4.89	457908	6.69	277779	9.45	446040	11.77	476103	15.39	440189	17.09
ZZZZZZ	168275	4.89	589759	6.69	371062	9.45	581892	11.77	622065	15.40	581319	17.09
ZZZZZZ	195120	4.89	679841	6.69	433464	9.45	662447	11.77	709980	15.40	634423	17.10
ZZZZZZ	163149	4.89	570486	6.69	354077	9.45	551626	11.77	602624	15.40	558699	17.10
ZZZZZZ	163769	4.89	579345	6.69	362078	9.45	547601	11.77	596660	15.40	551329	17.10
ZZZZZZ	167376	4.89	587575	6.69	372913	9.45	584885	11.77	629092	15.40	574116	17.10
ZZZZZZ	88260	4.89	324426	6.70	197122	9.45	313570	11.77	345362	15.39	326864	17.09
ZZZZZZ	143972	4.89	478988	6.69	281283	9.45	414226	11.77	426236	15.39	392776	17.09
ZZZZZZ	144219	4.89	485513	6.69	285735	9.45	419726	11.77	440696	15.39	417008	17.09
ZZZZZZ	147058	4.89	491160	6.69	289645	9.45	420832	11.77	429270	15.39	393220	17.09
ZZZZZZ	145596	4.89	494186	6.69	285214	9.45	422548	11.77	435563	15.39	409681	17.09
ZZZZZZ	140336	4.89	478512	6.69	282242	9.45	430911	11.77	463100	15.39	425251	17.09

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JA31420-26	3E22916.D	32.0	19.0	73.0	82.0	76.0	78.0
OP40693-BS1	3E22765.D	49.0	31.0	90.0	113.0* [a]	109.0* [a]	109.0
OP40693-MB1	3E22764.D	46.0	29.0	88.0	111.0	106.0	109.0
OP40693-MB1	Z52105.D	47.0	33.0	103.0	100.0	110.0* [a]	104.0
OP40693-MS	3E22778.D	65.0	52.0* [a]	93.0	110.0	108.0* [a]	115.0
OP40693-MSD	3E22779.D	74.0* [a]	74.0* [a]	93.0	109.0	106.0	115.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-68%
S2 = Phenol-d5	10-49%
S3 = 2,4,6-Tribromophenol	37-130%
S4 = Nitrobenzene-d5	25-112%
S5 = 2-Fluorobiphenyl	31-106%
S6 = Terphenyl-d14	14-122%

(a) Outside of in house control limits, but within reasonable method recovery limits.

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JA31420-1	Z51921.D	63.0	62.0	71.0	92.0	92.0	82.0
JA31420-2	Z51920.D	65.0	63.0	77.0	90.0	89.0	84.0
JA31420-3	Z51914.D	74.0	72.0	94.0	102.0	102.0	92.0
JA31420-4	Z51925.D	64.0	62.0	73.0	90.0	89.0	80.0
JA31420-5	Z51917.D	66.0	63.0	77.0	91.0	92.0	84.0
JA31420-6	Z51928.D	57.0	59.0	61.0	88.0	90.0	82.0
JA31420-7	Z51927.D	50.0	53.0	52.0	83.0	84.0	77.0
JA31420-8	Z51938.D	63.0	58.0	63.0	73.0	72.0	56.0
JA31420-8	Z51924.D	59.0	54.0	66.0	75.0	73.0	60.0
JA31420-9	Z51922.D	88.0	87.0	81.0	89.0	81.0	71.0
JA31420-10	Z51931.D	53.0	50.0	69.0	73.0	76.0	67.0
JA31420-11	Z51929.D	76.0	81.0	76.0	78.0	72.0	65.0
JA31420-12	Z51944.D	70.0	66.0	78.0	88.0	85.0	74.0
JA31420-12	Z51940.D	72.0	69.0	79.0	87.0	85.0	75.0
JA31420-13	Z51945.D	68.0	64.0	86.0	89.0	87.0	77.0
JA31420-13	Z51942.D	71.0	67.0	85.0	88.0	87.0	77.0
JA31420-14	Z51941.D	82.0	88.0	83.0	92.0	86.0	77.0
JA31420-15	Z51930.D	49.0	47.0	64.0	67.0	71.0	65.0
JA31420-16	Z51918.D	60.0	57.0	79.0	81.0	83.0	77.0
JA31420-17	Z51939.D	63.0	60.0	70.0	75.0	75.0	65.0
JA31420-17	Z51926.D	60.0	56.0	70.0	76.0	76.0	68.0
JA31420-18	Z51937.D	56.0	55.0	61.0	67.0	68.0	58.0
JA31420-18	Z51923.D	54.0	51.0	64.0	69.0	70.0	62.0
JA31420-19	Z51943.D	73.0	75.0	87.0	80.0	74.0	74.0
JA31420-19	Z51933.D	69.0	67.0	90.0	83.0	77.0	75.0
JA31420-20	Z51919.D	60.0	57.0	77.0	82.0	83.0	75.0
JA31420-21	P46002.D	35.0	39.0	78.0	54.0	64.0	76.0
JA31420-22	P46014.D	32.0	35.0	75.0	49.0	61.0	67.0
JA31420-23	P46003.D	32.0	36.0	78.0	53.0	60.0	73.0
JA31420-24	P46004.D	39.0	41.0	76.0	60.0	66.0	66.0
JA31420-25	P46005.D	42.0	46.0	77.0	69.0	74.0	75.0
OP40672-BS1	P45998.D	71.0	73.0	98.0	109.0	99.0	97.0
OP40672-MB1	P45950.D	67.0	72.0	104.0	103.0	107.0	96.0
OP40672-MB1	P45997.D	67.0	69.0	104.0	105.0	108.0* [a]	91.0
OP40672-MS	P46010.D	52.0	55.0	84.0	81.0	80.0	81.0
OP40672-MSD	P46011.D	48.0	52.0	84.0	80.0	81.0	83.0
OP40729-BS1	Z51913.D	85.0	81.0	101.0	111.0	107.0	99.0
OP40729-MB1	Z51912.D	88.0	84.0	102.0	117.0* [a]	115.0* [a]	104.0
OP40729-MS	Z51915.D	76.0	72.0	93.0	100.0	97.0	90.0
OP40729-MSD	Z51916.D	80.0	76.0	98.0	105.0	102.0	94.0

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8270C **Matrix:** SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	30-109%
S2 = Phenol-d5	28-108%
S3 = 2,4,6-Tribromophenol	28-125%
S4 = Nitrobenzene-d5	28-113%
S5 = 2-Fluorobiphenyl	38-107%
S6 = Terphenyl-d14	31-116%

(a) Outside of in house control limits, but within reasonable method recovery limits.

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E996-ICC996
Lab FileID: 3E21948.D

Response Factor Report GCMS3E

Method : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title : Semi Volatile GC/MS, DB-5MS 20m x .18mm x .18um
Last Update : Tue Sep 22 12:15:54 2009
Response via : Initial Calibration

Calibration Files
2 =3e21946.D 5 =3e21950.D 25 =3e21947.D 80 =3e21952.D
100 =3e21945.D 50 =3e21948.D 1 =3e21949.D 10 =3e21951.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d					ISTD					
2) 1,4-Dioxane	0.520	0.524	0.531	0.492	0.498	0.488	0.675	0.538	0.533	11.28
3) Pyridine	1.172	1.259	1.354	1.326	1.334	1.282	1.378	1.355	1.307	5.15
4) N-Nitrosodim	0.709	0.725	0.812	0.768	0.783	0.741	0.730	0.786	0.757	4.73
5) 2-Fluorophen	1.065	1.139	1.342	1.327	1.356	1.271	1.047	1.262	1.226	10.20
6) Indene	1.977	2.060	2.305	2.176	2.238	2.136	2.049	2.206	2.143	5.10
7) Cumene	2.683	2.701	2.962	2.763	2.811	2.708	2.839	2.879	2.793	3.50
8) Phenol-d5	1.374	1.534	1.853	1.840	1.897	1.736	1.353	1.699	1.661	12.98
9) Phenol	1.438	1.533	1.836	1.817	1.864	1.716	1.410	1.693	1.663	10.90
10) Aniline	1.651	1.705	1.704	1.621	1.654	1.956	1.734	1.813	1.730	6.31
11) bis(2-Chloro	1.181	1.224	1.381	1.334	1.356	1.284	1.212	1.325	1.287	5.73
12) 2-Chlorophen	1.247	1.366	1.608	1.603	1.675	1.513	1.288	1.504	1.476	10.72
13) Decane	1.348	1.383	1.465	1.312	1.323	1.321	1.450	1.448	1.381	4.68
14) 1,3-Dichloro	1.474	1.527	1.689	1.606	1.648	1.555	1.562	1.642	1.588	4.47
15) 1,4-Dichloro	1.526	1.553	1.706	1.610	1.650	1.576	1.601	1.677	1.612	3.84
16) Benzyl alcoh	0.663	0.748	0.941	0.946	0.973	0.902		0.842	0.859	13.46
17) 1,2-Dichloro	1.450	1.465	1.630	1.541	1.578	1.491	1.532	1.566	1.532	3.97
18) Acetophenone	1.656	1.773	1.986	1.880	1.929	1.820	1.628	1.918	1.824	7.13
19) 2-Methylphen	1.027	1.187	1.379	1.323	1.365	1.307	1.030	1.318	1.242	11.58
20) 2,2'-oxybis(	0.488	0.490	0.547	0.506	0.516	0.496	0.519	0.529	0.512	4.00
21) 3&4-Methylph	1.070	1.266	1.492	1.480	1.536	1.413	1.037	1.390	1.336	14.40
22) n-Nitroso-di	0.776	0.797	0.908	0.842	0.856	0.834	0.759	0.870	0.830	6.03
23) Hexachloroet	0.412	0.432	0.474	0.424	0.433	0.426	0.463	0.456	0.440	4.93
24) I Naphthalene-d8					ISTD					
25) Nitrobenzene	0.279	0.298	0.358	0.340	0.349	0.332	0.268	0.336	0.320	10.56
26) Nitrobenzene	0.146	0.163	0.196	0.191	0.197	0.186	0.140	0.184	0.175	12.89
27) Quinoline	0.593	0.624	0.724	0.709	0.729	0.684	0.597	0.695	0.670	8.40
28) Isophorone	0.525	0.548	0.624	0.580	0.593	0.581	0.552	0.607	0.576	5.69
29) 2-Nitropheno	0.136	0.152	0.209	0.220	0.229	0.203		0.180	0.190	18.55
----- Linear regression ----- Coefficient = 0.9978										
Response Ratio = -0.01240 + 0.22870 *A										
30) 2,4-Dimethyl		0.267	0.306	0.334	0.351	0.333		0.293	0.314	9.93
31) Benzoic acid			0.263	0.294	0.261	0.272		0.230	0.264	8.71
32) bis(2-Chloro	0.330	0.342	0.388	0.366	0.377	0.359	0.320	0.375	0.357	6.81
33) 2,4-Dichloro	0.221	0.256	0.306	0.303	0.312	0.291	0.215	0.291	0.274	14.18
34) 2,6-Dichloro	0.247	0.266	0.312	0.299	0.310	0.292	0.242	0.295	0.283	9.68
35) 1,3,5-Trichl	0.307	0.311	0.340	0.316	0.321	0.312	0.317	0.337	0.320	3.78
36) 1,2,4-Trichl	0.292	0.301	0.326	0.299	0.305	0.298	0.302	0.320	0.305	3.84
37) 1,2,3-Trichl	0.299	0.293	0.321	0.294	0.300	0.293	0.304	0.317	0.303	3.60
38) Naphthalene	1.058	1.094	1.219	1.165	1.197	1.127	1.156	1.197	1.152	4.80
39) 4-Chloroanil	0.374	0.410	0.472	0.465	0.477	0.477	0.350	0.455	0.435	11.59
40) 2,3-Dichloro	0.312	0.321	0.374	0.359	0.371	0.347	0.310	0.357	0.344	7.54
41) Caprolactam	0.105	0.123	0.144	0.142	0.146	0.137	0.098	0.141	0.130	14.35
42) Hexachlorobu	0.126	0.128	0.138	0.121	0.125	0.125	0.136	0.136	0.129	4.92

Initial Calibration Summary

Job Number: JA31420 **Sample:** E3E996-ICC996
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3E21948.D
Project: Hess-Port Reading, NJ

```
43) 4-Chloro-3-m 0.245 0.269 0.314 0.310 0.322 0.297 0.212 0.301 0.284  13.54
44) 2-Methylnaph 0.673 0.704 0.819 0.794 0.812 0.748 0.652 0.768 0.746   8.51
45) 1-Methylnaph 0.675 0.706 0.788 0.766 0.791 0.742 0.737 0.765 0.746   5.39
46) Dimethylnaph 0.602 0.617 0.706 0.687 0.707 0.656 0.608 0.679 0.658   6.64

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy       0.166 0.221 0.219 0.227 0.221       0.197 0.209  11.10
49) 2,4,6-Trichl 0.264 0.299 0.358 0.339 0.347 0.331 0.257 0.335 0.316  12.20
50) 2,4,5-Trichl 0.298 0.331 0.384 0.369 0.376 0.364 0.289 0.365 0.347  10.52
51) 2-Fluorobiph 1.332 1.363 1.498 1.391 1.416 1.370 1.410 1.448 1.404   3.73
52) 2-Chloronaph 1.051 1.095 1.229 1.154 1.173 1.124 1.094 1.195 1.139   5.19
53) Biphenyl     1.426 1.485 1.690 1.603 1.642 1.530 1.494 1.619 1.561   5.82
54) 2-Nitroanili       0.203 0.283 0.284 0.292 0.271       0.262 0.266  12.24
55) Dimethylphth 1.171 1.213 1.376 1.300 1.326 1.255 1.224 1.323 1.274   5.41
56) Acenaphthyle 1.638 1.729 2.065 2.007 2.068 1.923 1.682 1.930 1.880   9.23
57) 2,6-Dinitrot 0.185 0.215 0.300 0.306 0.314 0.287       0.264 0.267  18.46
            ----- Linear regression -----  Coefficient =  0.9988
              Response Ratio = -0.01310 + 0.31406 *A

58) 3-Nitroanili       0.267 0.361 0.366 0.381 0.345       0.324 0.341  12.10
59) Acenaphthene 1.137 1.165 1.319 1.256 1.292 1.200 1.213 1.265 1.231   5.11
60) 2,4-Dinitrop       0.056 0.141 0.176 0.189 0.154       0.096 0.135  37.38
            ----- Linear regression -----  Coefficient =  0.9946
              Response Ratio = -0.05815 + 0.19438 *A

61) 4-Nitropheno       0.081 0.156 0.167 0.177 0.155       0.125 0.143  24.47
            ----- Linear regression -----  Coefficient =  0.9974
              Response Ratio = -0.01640 + 0.17860 *A

62) Dibenzofuran 1.489 1.536 1.721 1.620 1.659 1.574 1.575 1.668 1.605   4.75
63) 2,4-Dinitrot 0.230 0.293 0.415 0.417 0.429 0.393       0.372 0.364  20.51
            ----- Linear regression -----  Coefficient =  0.9988
              Response Ratio = -0.01699 + 0.42885 *A

64) 2,3,4,6-Tetr 0.198 0.226 0.276 0.259 0.266 0.256       0.256 0.248  10.83
65) Diethylphtha 1.157 1.222 1.386 1.327 1.361 1.276 1.172 1.336 1.280   6.81
66) Fluorene     1.207 1.268 1.456 1.403 1.438 1.352 1.244 1.404 1.347   7.03
67) 4-Chlorophen 0.506 0.522 0.580 0.527 0.534 0.526 0.518 0.567 0.535   4.76
68) 4-Nitroanili       0.253 0.355 0.370 0.380 0.346       0.323 0.338  13.68

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.074 0.140 0.152 0.159 0.140       0.110 0.129  24.81
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.01503 + 0.16188 *A

71) n-Nitrosodip 0.534 0.576 0.663 0.628 0.642 0.601 0.501 0.629 0.597   9.42
72) 1,2-Diphenyl 0.683 0.723 0.828 0.771 0.789 0.750 0.677 0.794 0.752   7.21
73) 2,4,6-Tribro 0.080 0.099 0.120 0.114 0.117 0.110       0.111 0.107  12.71
74) 4-Bromopheny 0.163 0.169 0.197 0.178 0.181 0.178 0.164 0.187 0.177   6.54
75) Hexachlorobe 0.208 0.210 0.231 0.206 0.210 0.206 0.216 0.227 0.214   4.47
76) Pentachlorop 0.084 0.109 0.150 0.147 0.149 0.142       0.135 0.131  19.03
            ----- Linear regression -----  Coefficient =  0.9996
              Response Ratio = -0.00760 + 0.14937 *A

77) Phenanthrene 1.185 1.183 1.296 1.200 1.219 1.166 1.287 1.266 1.225   4.14
78) Anthracene   1.110 1.140 1.284 1.205 1.218 1.199 1.142 1.240 1.192   4.86
79) Carbazole    0.919 1.026 1.194 1.173 1.201 1.132 0.878 1.160 1.085  11.80
80) Di-n-butylph 1.040 1.171 1.477 1.490 1.536 1.379       1.365 1.351  13.50
81) Fluoranthene 1.024 1.076 1.248 1.158 1.173 1.140 1.015 1.210 1.130   7.52
82) Octadecane   0.366 0.405 0.485 0.445 0.451 0.434 0.349 0.451 0.423  11.01
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E996-ICC996
Lab FileID: 3E21948.D

```
 83) I   Chrysene-d12          ----------------ISTD---------------------
 84) Pyrene       1.256 1.294 1.463 1.354 1.357 1.318 1.272 1.422 1.342   5.39
 85) Terphenyl-d1 0.832 0.850 0.950 0.844 0.858 0.848 0.886 0.938 0.876   5.13
 86) Butylbenzylp 0.471 0.560 0.742 0.763 0.792 0.685       0.651 0.666  17.43
             ----- Linear regression -----  Coefficient =  0.9968
               Response Ratio = -0.03982 + 0.78846 *A

 87) Butyl steara 0.310 0.329 0.400 0.382 0.395 0.362 0.298 0.360 0.354  10.88
 88) Benzo[a]anth 0.979 1.017 1.169 1.063 1.075 1.038 1.092 1.117 1.069   5.55
 89) 3,3'-Dichlor 0.289 0.343 0.449 0.425 0.431 0.412       0.405 0.393  14.44
 90) Chrysene     1.097 1.111 1.165 1.024 1.005 1.023 1.241 1.176 1.105   7.68
 91) bis(2-Ethylh 0.609 0.742 1.017 1.060 1.102 0.952       0.884 0.909  19.67
             ----- Linear regression -----  Coefficient =  0.9968
               Response Ratio = -0.06067 + 1.09816 *A


 92) I   Perylene-d12          ----------------ISTD---------------------
 93) Di-n-octylph 0.865 1.102 1.739 1.812 1.908 1.609       1.421 1.494  25.92
             ----- Linear regression -----  Coefficient =  0.9958
               Response Ratio = -0.12767 + 1.90038 *A

 94) Benzo[b]fluo 0.857 0.909 1.197 1.163 1.164 1.139 0.717 1.063 1.026  17.24
             ----- Linear regression -----  Coefficient =  0.9998
               Response Ratio = -0.01733 + 1.17003 *A

 95) Benzo[k]fluo 1.191 1.300 1.363 1.052 1.055 1.068 1.306 1.416 1.219  12.10
 96) Benzo[a]pyre 0.819 0.902 1.121 1.037 1.032 1.038 0.723 1.039 0.964  14.06
 97) Indeno[1,2,3 1.078 1.157 1.416 1.300 1.293 1.251 1.177 1.335 1.251   8.68
 98) Dibenz(a,h)a 0.699 0.769 1.051 1.002 1.017 0.963 0.818 0.937 0.907  14.20
 99) Dibenz[a,h]a 0.920 0.943 1.223 1.114 1.106 1.082 0.907 1.109 1.050  10.82
100) 7,12-Dimethy 0.323 0.375 0.479 0.467 0.465 0.484 0.304 0.474 0.421  17.81
             ----- Linear regression -----  Coefficient =  0.9995
               Response Ratio = -0.00157 + 0.46899 *A

101) Benzo[g,h,i] 0.949 1.076 1.219 1.120 1.116 1.093 1.099 1.187 1.107   7.25

 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3E996.M          Tue Sep 22 12:17:36 2009   3E
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E996-ICV996
Lab FileID: 3E21953.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\E3e996\3e21953.D          Vial: 10
Acq On    : 21 Sep 2009   4:52 pm                   Operator: olgaa
Sample    : icv996-50                               Inst    : GCMS3E
Misc      : op39481,e3e996,acids                    Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, DB-5MS 20m x .18mm x .18um
Last Update  : Tue Sep 22 11:51:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	6.82
9	t	Phenol	1.663	1.797	-8.1	116	0.00	6.47
12	t	2-Chlorophenol	1.476	1.589	-7.7	117	0.00	6.43
19	t	2-Methylphenol	1.242	1.403	-13.0	119	0.00	7.90
21	t	3&4-Methylphenol	1.336	1.507	-12.8	119	0.00	8.28
24	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00	9.91
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	46.598	6.8	115	0.00	9.12
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.314	0.358	-14.0	123	0.00	9.50
31	t	Benzoic acid	0.264	0.265	-0.4	112	0.03	10.05
33	t	2,4-Dichlorophenol	0.274	0.307	-12.0	121	0.00	9.74
34	t	2,6-Dichlorophenol	0.283	0.307	-8.5	121	0.00	10.28
43	t	4-Chloro-3-methylphenol	0.284	0.316	-11.3	122	-0.03	11.64
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	14.04
49	t	2,4,6-Trichlorophenol	0.316	0.345	-9.2	120	0.00	12.45
50	t	2,4,5-Trichlorophenol	0.347	0.372	-7.2	118	-0.02	12.52
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	93.306	6.7	102	-0.01	14.38
61	t	4-Nitrophenol	50.000	45.217	9.6	111	0.00	14.79
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.248	0.258	-4.0	116	0.00	14.97
69	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.00	17.39
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	46.530	6.9	114	-0.02	15.65
76	t	Pentachlorophenol	100.000	100.908	-0.9	116	-0.01	17.22

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e21948.D M3E996.M Tue Sep 22 11:55:10 2009 3E

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-ICC998
Lab FileID: 3E21965.D

```
                         Response Factor Report  GCMS3E

  Method       : C:\MSDCHEM\1\METHODS\M3E998.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, DB-5MS 20m x .18mm x .18um
  Last Update  : Tue Sep 22 13:43:55 2009
  Response via : Initial Calibration

  Calibration Files
  2   =3e21971.D   5   =3e21970.D   25  =3e21966.D   80  =3e21968.D
  100 =3e21967.D   50  =3e21965.D   1   =3e21972.D   10  =3e21969.D

   Compound         2     5     25    80    100   50    1     10    Avg %RSD
  ---------------------------------------------------------------------------

102)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
103) Benzaldehyde 0.810 0.972 0.907 1.001 0.948 1.074 0.905 1.053 0.959   8.97

104)     Acenaphthene-d10a     ----------------ISTD---------------------
105) Atrazine           0.129 0.146 0.160 0.157 0.183       0.155 0.155  11.39
106) 1,2,4,5-Tetr 0.363 0.433 0.394 0.402 0.390 0.472 0.410 0.455 0.415   8.72

107)     Chrysene-d12a         ----------------ISTD---------------------
108) Benzidine                0.659 0.742 0.648 0.872       0.763 0.737  12.33

109)     Phenanthrene-d10a     ----------------ISTD---------------------
110) Methyl parat       0.085 0.150 0.168 0.167 0.206       0.128 0.151  27.10
          ----- Quadratic regression -----                 Coefficient =  0.9912
               Response Ratio = -0.02574 + 0.23938 *A + -0.02555 *A^2

111) Parathion          0.073 0.116 0.149 0.145 0.153       0.106 0.124  25.36
             ----- Linear regression -----  Coefficient =  0.9969
               Response Ratio = -0.01153 + 0.15258 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3E996.M          Tue Sep 22 13:44:46 2009   3E
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-ICV996
Lab FileID: 3E21973.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e998\3e21973.D Vial: 10
Acq On : 22 Sep 2009 1:34 pm Operator: olgaa
Sample : icv996-50 Inst : GCMS3E
Misc : op39481,e3e998,bn 1,2 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title : Semi Volatile GC/MS, DB-5MS 20m x .18mm x .18um
Last Update : Tue Sep 22 13:43:55 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	6.82
2	t	1,4-Dioxane	0.533	0.454	14.8	91	-0.01	1.22
3	t	Pyridine	1.307	1.290	1.3	98	-0.02	1.48
4	t	N-Nitrosodimethylamine	0.757	0.745	1.6	98	0.00	1.48
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene	2.143	2.297	-7.2	105	0.00	7.51
7	t	Cumene	2.793	2.546	8.8	92	-0.01	4.84
8	S	Phenol-d5		----------NA----------				
11	t	bis(2-Chloroethyl)ether	1.287	1.247	3.1	95	-0.01	6.44
13	t	Decane	1.381	1.316	4.7	97	0.00	6.73
14	t	1,3-Dichlorobenzene	1.588	1.590	-0.1	100	0.00	6.71
15	t	1,4-Dichlorobenzene	1.612	1.611	0.1	100	0.00	6.86
16	t	Benzyl alcohol	0.859	0.924	-7.6	100	0.00	7.42
17	t	1,2-Dichlorobenzene	1.532	1.513	1.2	99	0.00	7.31
18	t	Acetophenone	1.824	1.860	-2.0	100	0.00	7.98
20	t	2,2'-oxybis(1-Chloropropa	0.512	0.515	-0.6	101	0.00	7.82
22	t	n-Nitroso-di-n-propylamin	0.830	0.847	-2.0	99	-0.02	8.15
23	t	Hexachloroethane	0.440	0.431	2.0	99	0.00	8.04
24	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00	9.91
25	S	Nitrobenzene-d5		----------NA----------				
26	t	Nitrobenzene	0.175	0.175	0.0	93	0.00	8.34
27	t	Quinoline	0.670	0.714	-6.6	102	-0.02	10.78
28	t	Isophorone	0.576	0.555	3.6	94	-0.01	8.96
32	t	bis(2-Chloroethoxy)methan	0.357	0.379	-6.2	104	-0.01	9.67
36	t	1,2,4-Trichlorobenzene	0.305	0.310	-1.6	102	0.00	9.86
38	t	Naphthalene	1.152	1.118	3.0	97	0.00	9.95
40	t	2,3-Dichloroaniline	0.344	0.326	5.2	92	0.00	12.41
41	t	Caprolactam	0.130	0.125	3.8	89	-0.11	11.06
42	t	Hexachlorobutadiene	0.129	0.128	0.8	100	0.00	10.51
44	t	2-Methylnaphthalene	0.746	0.785	-5.2	103	0.00	11.61
45	t	1-Methylnaphthalene	0.746	0.728	2.4	96	0.00	11.85
46	t	Dimethylnaphthalene	0.658	0.660	-0.3	99	0.00	13.10
47	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00	14.04
48	t	Hexachlorocyclopentadiene	0.209	0.190	9.1	84	0.00	12.20
51	S	2-Fluorobiphenyl		----------NA----------				
52	t	2-Chloronaphthalene	1.139	1.149	-0.9	100	0.00	12.71
53	t	Biphenyl	1.561	1.537	1.5	99	0.00	12.79
54	t	2-Nitroaniline	0.266	0.263	1.1	95	0.00	13.16
55	t	Dimethylphthalate	1.274	1.285	-0.9	100	0.00	13.80

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-ICV996
Lab FileID: 3E21973.D

56	t	Acenaphthylene	1.880	1.738	7.6	89	0.00	13.66
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	46.890	6.2	97	0.00	13.88
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.341	0.301	11.7	86	0.00	14.15
59	t	Acenaphthene	1.231	1.206	2.0	99	0.00	14.11
62	t	Dibenzofuran	1.605	1.664	-3.7	104	0.00	14.49
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	45.306	9.4	94	0.00	14.76
		----------	AvgRF	CCRF	% Dev	----------		
65	t	Diethylphthalate	1.280	1.300	-1.6	100	-0.01	15.48
66	t	Fluorene	1.347	1.377	-2.2	100	0.00	15.29
67	t	4-Chlorophenyl-phenylethe	0.535	0.533	0.4	99	0.00	15.43
68	t	4-Nitroaniline	0.338	0.330	2.4	93	-0.01	15.58
69	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00	17.39
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.597	0.613	-2.7	100	0.00	15.76
72	t	1,2-Diphenylhydrazine	0.752	0.773	-2.8	101	0.00	15.77
73	S	2,4,6-Tribromophenol		----------NA----------				
74	t	4-Bromophenyl-phenylether	0.177	0.178	-0.6	98	0.00	16.52
75	t	Hexachlorobenzene	0.214	0.207	3.3	98	0.00	16.73
77	t	Phenanthrene	1.225	1.186	3.2	100	0.00	17.44
78	t	Anthracene	1.192	1.179	1.1	96	0.00	17.55
79	t	Carbazole	1.085	1.206	-11.2	104	0.00	18.06
80	t	Di-n-butylphthalate	1.351	1.430	-5.8	101	0.00	19.31
81	t	Fluoranthene	1.130	1.133	-0.3	97	0.00	20.18
82	t	Octadecane	0.423	0.435	-2.8	98	0.00	17.69
83	I	Chrysene-d12	1.000	1.000	0.0	94	0.00	23.12
84	t	Pyrene	1.342	1.322	1.5	95	0.00	20.66
85	S	Terphenyl-d14		----------NA----------				
		----------	True	Calc.	% Drift	----------		
86	t	Butylbenzylphthalate	50.000	46.805	6.4	97	0.00	22.46
		----------	AvgRF	CCRF	% Dev	----------		
88	t	Benzo[a]anthracene	1.069	1.028	3.8	94	0.00	23.09
90	t	Chrysene	1.105	1.032	6.6	95	0.00	23.16
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	45.476	9.0	94	0.00	23.65
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	91	0.00	25.37
		----------	True	Calc.	% Drift	----------		
93	t	Di-n-octylphthalate	50.000	45.962	8.1	93	0.00	24.63
94	t	Benzo[b]fluoranthene	50.000	45.117	9.8	83	0.00	24.85

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-ICV996
Lab FileID: 3E21973.D

			AvgRF	CCRF	% Dev			
95	t	Benzo[k]fluoranthene	1.219	1.218	0.1	104	0.00	24.89
96	t	Benzo[a]pyrene	0.964	0.989	-2.6	87	0.00	25.29
97	t	Indeno[1,2,3-cd]pyrene	1.251	1.274	-1.8	93	0.00	26.73
98	t	Dibenz(a,h)acridine	0.907	0.917	-1.1	87	0.00	26.49
99	t	Dibenz[a,h]anthracene	1.050	1.065	-1.4	90	0.00	26.77

			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	51.234	-2.5	90	0.00	24.90

			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.107	1.101	0.5	92	0.00	27.01
104		Acenaphthene-d10a	1.000	1.000	0.0	130	0.00	14.04
105		Atrazine	0.155	0.150	3.2	107	0.00	17.23
106		1,2,4,5-Tetrachlorobenzen	0.415	0.425	-2.4	117	0.00	12.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e21965.D M3E996.M Tue Sep 22 14:12:04 2009 3E

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E998-ICV996
Lab FileID: 3E21974.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\E3e998\3e21974.D          Vial: 11
Acq On    : 22 Sep 2009   2:09 pm                   Operator: olgaa
Sample    : icv996-50                               Inst    : GCMS3E
Misc      : op39481,e3e998,3rd                      Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, DB-5MS 20m x .18mm x .18um
Last Update  : Tue Sep 22 13:43:55 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	6.83
10		Aniline	1.730	1.786	-3.2	88	0.00	6.19
24	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.01	9.90
39	t	4-Chloroaniline	0.435	0.441	-1.4	90	0.00	10.29
83	I	Chrysene-d12	1.000	1.000	0.0	91	-0.02	23.11
89	t	3,3'-Dichlorobenzidine	0.393	0.425	-8.1	94	0.00	23.21
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	133	0.01	6.83
103		Benzaldehyde	0.959	0.797	16.9	99	0.01	5.74
107		Chrysene-d12a	1.000	1.000	0.0	120	0.00	23.11
108		Benzidine	0.737	0.813	-10.3	112	0.00	20.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e21965.D M3E996.M Tue Sep 22 14:47:41 2009 3E

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1034-CC996
Lab FileID: 3E22760.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1034\3e22760.D Vial: 2
Acq On : 2 Nov 2009 9:42 am Operator: olgaa
Sample : cc996-50 Inst : GCMS3E
Misc : op40663,e3e1034, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 20m x .18mm x .18um
Last Update : Fri Oct 30 16:07:54 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	6.62
2	t	1,4-Dioxane	0.533	0.444	16.7	101	0.00	1.16
3	t	Pyridine	1.307	1.200	8.2	104	0.00	1.42
4	t	N-Nitrosodimethylamine	0.757	0.690	8.9	104	0.00	1.42
5	S	2-Fluorophenol	1.226	1.313	-7.1	115	-0.02	3.49
6	t	Indene	2.143	2.317	-8.1	121	0.00	7.32
7	t	Cumene	2.793	2.832	-1.4	116	0.00	4.59
8	S	Phenol-d5	1.661	1.696	-2.1	109	0.00	6.35
9	t	Phenol	1.663	1.763	-6.0	114	0.00	6.38
10		Aniline	1.730	1.755	-1.4	100	0.00	6.01
11	t	bis(2-Chloroethyl)ether	1.287	1.271	1.2	110	0.00	6.25
12	t	2-Chlorophenol	1.476	1.621	-9.8	119	0.00	6.27
13	t	Decane	1.381	1.304	5.6	110	0.00	6.51
14	t	1,3-Dichlorobenzene	1.588	1.701	-7.1	122	0.00	6.51
15	t	1,4-Dichlorobenzene	1.612	1.729	-7.3	122	0.00	6.66
16	t	Benzyl alcohol	0.859	0.998	-16.2	123	-0.01	7.28
17	t	1,2-Dichlorobenzene	1.532	1.641	-7.1	122	0.00	7.11
18	t	Acetophenone	1.824	1.996	-9.4	122	0.00	7.81
19	t	2-Methylphenol	1.242	1.398	-12.6	119	0.01	7.81
20	t	2,2'-oxybis(1-Chloropropa	0.512	0.535	-4.5	120	0.00	7.63
21	t	3&4-Methylphenol	1.336	1.495	-11.9	118	-0.01	8.20
22	t	n-Nitroso-di-n-propylamin	0.830	0.856	-3.1	114	0.02	8.00
23	t	Hexachloroethane	0.440	0.445	-1.1	116	0.00	7.82
24	I	Naphthalene-d8	1.000	1.000	0.0	111	0.01	9.72
25	S	Nitrobenzene-d5	0.320	0.358	-11.9	120	0.00	8.13
26	t	Nitrobenzene	0.175	0.199	-13.7	119	0.00	8.17
27	t	Quinoline	0.670	0.774	-15.5	126	0.01	10.65
28	t	Isophorone	0.576	0.620	-7.6	118	0.00	8.79
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	53.764	-7.5	129	0.00	8.96
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.314	0.349	-11.1	116	0.00	9.38
31	t	Benzoic acid	0.264	0.309	-17.0	126	0.12	10.05
32	t	bis(2-Chloroethoxy)methan	0.357	0.376	-5.3	116	0.00	9.50
33	t	2,4-Dichlorophenol	0.274	0.328	-19.7	125	-0.02	9.64
34	t	2,6-Dichlorophenol	0.283	0.324	-14.5	123	0.00	10.13
35		1,3,5-Trichlorobenzene	0.320	0.327	-2.2	116	0.01	8.93
36	t	1,2,4-Trichlorobenzene	0.305	0.315	-3.3	117	0.01	9.68
37		1,2,3-Trichlorobenzene	0.303	0.315	-4.0	119	0.00	10.23

Continuing Calibration Summary

Job Number: JA31420 **Sample:** E3E1034-CC996
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** 3E22760.D
Project: Hess-Port Reading, NJ

38	t	Naphthalene	1.152	1.226	-6.4	121	0.01	9.77
39	t	4-Chloroaniline	0.435	0.484	-11.3	113	0.00	10.15
40	t	2,3-Dichloroaniline	0.344	0.396	-15.1	127	0.00	12.25
41	t	Caprolactam	0.130	0.144	-10.8	116	0.06	11.08
42	t	Hexachlorobutadiene	0.129	0.133	-3.1	118	0.00	10.30
43	t	4-Chloro-3-methylphenol	0.284	0.332	-16.9	124	0.01	11.59
44	t	2-Methylnaphthalene	0.746	0.825	-10.6	122	0.00	11.43
45	t	1-Methylnaphthalene	0.746	0.865	-16.0	129	0.01	11.66
46	t	Dimethylnaphthalene	0.658	0.750	-14.0	127	0.01	12.92
47	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.02	13.85
48	t	Hexachlorocyclopentadiene	0.209	0.212	-1.4	109	0.00	12.00
49	t	2,4,6-Trichlorophenol	0.316	0.356	-12.7	123	0.01	12.32
50	t	2,4,5-Trichlorophenol	0.347	0.390	-12.4	122	0.00	12.47
51	S	2-Fluorobiphenyl	1.404	1.493	-6.3	124	0.01	12.44
52	t	2-Chloronaphthalene	1.139	1.257	-10.4	128	0.01	12.54
53	t	Biphenyl	1.561	1.731	-10.9	129	0.01	12.60
54	t	2-Nitroaniline	0.266	0.306	-15.0	129	0.00	13.03
55	t	Dimethylphthalate	1.274	1.407	-10.4	128	0.01	13.62
56	t	Acenaphthylene	1.880	2.151	-14.4	128	0.02	13.48
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	55.393	-10.8	134	0.02	13.73
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.341	0.393	-15.2	130	0.00	14.03
59	t	Acenaphthene	1.231	1.326	-7.7	126	0.02	13.93
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	111.443	-11.4	143	0.00	14.31
61	t	4-Nitrophenol	50.000	46.223	7.6	112	-0.06	14.84
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.605	1.778	-10.8	129	0.01	14.32
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	56.374	-12.7	136	0.02	14.64
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.248	0.248	0.0	111	0.00	14.85
65	t	Diethylphthalate	1.280	1.456	-13.7	130	0.02	15.29
66	t	Fluorene	1.347	1.523	-13.1	129	0.02	15.11
67	t	4-Chlorophenyl-phenylethe	0.535	0.560	-4.7	122	0.01	15.24
68	t	4-Nitroaniline	0.338	0.406	-20.1#	134	0.02	15.49
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.02	17.22
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	56.120	-12.2	137	0.03	15.58
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.597	0.698	-16.9	131	0.02	15.58
72	t	1,2-Diphenylhydrazine	0.752	0.859	-14.2	129	0.02	15.58
73	S	2,4,6-Tribromophenol	0.107	0.115	-7.5	118	0.01	15.75
74	t	4-Bromophenyl-phenylether	0.177	0.191	-7.9	121	0.02	16.33
75	t	Hexachlorobenzene	0.214	0.215	-0.5	118	0.03	16.56
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	100.000	89.133	10.9	103	0.02	17.10

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1034-CC996
Lab FileID: 3E22760.D

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.225	1.316	-7.4	128	0.03	17.28
78	t	Anthracene	1.192	1.330	-11.6	125	0.02	17.38
79	t	Carbazole	1.085	1.264	-16.5	126	0.02	17.91
80	t	Di-n-butylphthalate	1.351	1.620	-19.9	133	0.02	19.11
81	t	Fluoranthene	1.130	1.217	-7.7	121	0.02	20.02
82	t	Octadecane	0.423	0.482	-13.9	126	0.02	17.48
83	I	Chrysene-d12	1.000	1.000	0.0	105	0.02	23.00
84	t	Pyrene	1.342	1.488	-10.9	119	0.03	20.49
85	S	Terphenyl-d14	0.876	0.960	-9.6	119	0.02	21.09
			True	Calc.	% Drift			
86	t	Butylbenzylphthalate	50.000	56.143	-12.3	131	0.02	22.30
			AvgRF	CCRF	% Dev			
87		Butyl stearate	0.354	0.454	-28.2#	132	0.02	22.53
88	t	Benzo[a]anthracene	1.069	1.171	-9.5	119	0.02	22.97
89	t	3,3'-Dichlorobenzidine	0.393	0.457	-16.3	117	0.02	23.09
90	t	Chrysene	1.105	1.133	-2.5	117	0.03	23.04
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	56.475	-13.0	132	0.01	23.48
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	105	0.02	25.27
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	57.782	-15.6	137	0.02	24.48
94	t	Benzo[b]fluoranthene	50.000	56.093	-12.2	120	0.03	24.75
			AvgRF	CCRF	% Dev			
95	t	Benzo[k]fluoranthene	1.219	1.138	6.6	112	0.04	24.79
96	t	Benzo[a]pyrene	0.964	1.140	-18.3	115	0.03	25.19
97	t	Indeno[1,2,3-cd]pyrene	1.251	1.395	-11.5	117	0.03	26.64
98	t	Dibenz(a,h)acridine	0.907	1.104	-21.7#	121	0.03	26.39
99	t	Dibenz[a,h]anthracene	1.050	1.208	-15.0	117	0.03	26.67
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	57.275	-14.5	116	0.03	24.78
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.107	1.190	-7.5	114	0.03	26.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e22739.D M3E996.M Mon Nov 02 14:31:28 2009 3E

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1034-CC998
Lab FileID: 3E22761.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\E3e1034\3e22761.D          Vial: 3
Acq On    :  2 Nov 2009  10:17 am                     Operator: olgaa
Sample    : cc998-50                                  Inst    : GCMS3E
Misc      : op40663,e3e1034,                          Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, ZB-5MS 20m x .18mm x .18um
Last Update  : Fri Oct 30 16:07:54 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	162	0.01	6.63
103	Benzaldehyde	0.959	0.876	8.7	132	-0.18	5.55
104	Acenaphthene-d10a	1.000	1.000	0.0	166	0.01	13.85
105	Atrazine	0.155	0.159	-2.6	144	-0.16	17.06
106	1,2,4,5-Tetrachlorobenzen	0.415	0.367	11.6	129	-0.17	11.93
107	Chrysene-d12a	1.000	1.000	0.0	164	0.01	22.99
108	Benzidine	0.737	0.671	9.0	126	-0.01	20.56
109	Phenanthrene-d10a	1.000	1.000	0.0	164	0.01	17.22
		True	Calc.	% Drift			
110	Methyl parathion	50.000	69.318	-38.6#	200	-0.18	18.45
111	Parathion	50.000	58.570	-17.1	182	-0.19	19.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e22739.D M3E996.M Mon Nov 02 14:33:49 2009 3E

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1040-CC996
Lab FileID: 3E22910.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1040\3e22910.D Vial: 2
Acq On : 11 Nov 2009 2:52 pm Operator: olgaa
Sample : cc996-50 Inst : GCMS3E
Misc : op40797,e3e1040, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 20m x .18mm x .18um
Last Update : Tue Nov 10 13:43:06 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	125	-0.04	6.58
2	t	1,4-Dioxane	0.533	0.457	14.3	117	-0.04	1.12
3	t	Pyridine	1.307	1.206	7.7	118	-0.05	1.37
4	t	N-Nitrosodimethylamine	0.757	0.715	5.5	121	-0.03	1.38
5	S	2-Fluorophenol	1.226	1.291	-5.3	127	-0.03	3.49
6	t	Indene	2.143	2.299	-7.3	135	-0.05	7.27
7	t	Cumene	2.793	2.899	-3.8	134	-0.08	4.52
8	S	Phenol-d5	1.661	1.832	-10.3	132	0.00	6.36
9	t	Phenol	1.663	1.747	-5.1	128	0.00	6.39
10		Aniline	1.730	1.572	9.1	101	-0.04	5.97
11	t	bis(2-Chloroethyl)ether	1.287	1.284	0.2	125	-0.04	6.21
12	t	2-Chlorophenol	1.476	1.622	-9.9	134	-0.03	6.25
13	t	Decane	1.381	1.451	-5.1	138	-0.06	6.45
14	t	1,3-Dichlorobenzene	1.588	1.713	-7.9	138	-0.05	6.46
15	t	1,4-Dichlorobenzene	1.612	1.729	-7.3	137	-0.04	6.62
16	t	Benzyl alcohol	0.859	0.957	-11.4	133	-0.02	7.27
17	t	1,2-Dichlorobenzene	1.532	1.628	-6.3	137	-0.05	7.06
18	t	Acetophenone	1.824	2.004	-9.9	138	-0.04	7.78
19	t	2-Methylphenol	1.242	1.342	-8.1	129	0.00	7.80
20	t	2,2'-oxybis(1-Chloropropa	0.512	0.533	-4.1	135	-0.05	7.58
21	t	3&4-Methylphenol	1.336	1.451	-8.6	129	0.02	8.23
22	t	n-Nitroso-di-n-propylamin	0.830	0.858	-3.4	129	-0.03	7.95
23	t	Hexachloroethane	0.440	0.490	-11.4	144	-0.05	7.77
24	I	Naphthalene-d8	1.000	1.000	0.0	129	-0.03	9.68
25	S	Nitrobenzene-d5	0.320	0.367	-14.7	143	-0.03	8.10
26	t	Nitrobenzene	0.175	0.194	-10.9	135	-0.03	8.14
27	t	Quinoline	0.670	0.722	-7.8	136	0.00	10.64
28	t	Isophorone	0.576	0.606	-5.2	135	-0.02	8.77
		----------	True	Calc.	% Drift	----------		
29	t	2-Nitrophenol	50.000	50.814	-1.6	141	-0.03	8.93
		----------	AvgRF	CCRF	% Dev	----------		
30	t	2,4-Dimethylphenol	0.314	0.333	-6.1	129	-0.01	9.37
31	t	Benzoic acid	0.264	0.264	0.0	125	0.19	10.12
32	t	bis(2-Chloroethoxy)methan	0.357	0.361	-1.1	130	-0.03	9.46
33	t	2,4-Dichlorophenol	0.274	0.310	-13.1	137	0.00	9.66
34	t	2,6-Dichlorophenol	0.283	0.304	-7.4	135	-0.02	10.11
35		1,3,5-Trichlorobenzene	0.320	0.324	-1.3	134	-0.03	8.89
36	t	1,2,4-Trichlorobenzene	0.305	0.312	-2.3	135	-0.03	9.64
37		1,2,3-Trichlorobenzene	0.303	0.308	-1.7	136	-0.04	10.19

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1040-CC996
Lab FileID: 3E22910.D

38	t	Naphthalene	1.152	1.188	-3.1	136	-0.03	9.72
39	t	4-Chloroaniline	0.435	0.458	-5.3	124	-0.02	10.13
40	t	2,3-Dichloroaniline	0.344	0.372	-8.1	138	-0.02	12.22
41	t	Caprolactam	0.130	0.137	-5.4	129	0.10	11.11
42	t	Hexachlorobutadiene	0.129	0.146	-13.2	151	-0.05	10.25
43	t	4-Chloro-3-methylphenol	0.284	0.325	-14.4	142	0.03	11.61
44	t	2-Methylnaphthalene	0.746	0.789	-5.8	136	-0.03	11.39
45	t	1-Methylnaphthalene	0.746	1.085	-45.4#	189	-0.03	11.62
46	t	Dimethylnaphthalene	0.658	0.707	-7.4	139	-0.03	12.88
47	I	Acenaphthene-d10	1.000	1.000	0.0	127	-0.02	13.81
48	t	Hexachlorocyclopentadiene	0.209	0.218	-4.3	125	-0.04	11.95
49	t	2,4,6-Trichlorophenol	0.316	0.357	-13.0	137	0.00	12.31
50	t	2,4,5-Trichlorophenol	0.347	0.383	-10.4	134	0.03	12.50
51	S	2-Fluorobiphenyl	1.404	1.490	-6.1	138	-0.03	12.40
52	t	2-Chloronaphthalene	1.139	1.257	-10.4	142	-0.02	12.50
53	t	Biphenyl	1.561	1.718	-10.1	143	-0.03	12.56
54	t	2-Nitroaniline	0.266	0.323	-21.4#	151	0.00	13.03
55	t	Dimethylphthalate	1.274	1.429	-12.2	145	-0.02	13.58
56	t	Acenaphthylene	1.880	2.112	-12.3	139	-0.03	13.44
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	52.818	-5.6	142	0.00	13.71
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.341	0.379	-11.1	139	0.00	14.04
59	t	Acenaphthene	1.231	1.333	-8.3	141	-0.02	13.88
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	102.942	-2.9	146	0.03	14.33
61	t	4-Nitrophenol	50.000	36.282	27.4#	96	0.04	14.94
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.605	1.741	-8.5	140	-0.03	14.28
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	55.404	-10.8	149	0.01	14.64
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.248	0.227	8.5	113	0.00	14.84
65	t	Diethylphthalate	1.280	1.506	-17.7	150	-0.02	15.25
66	t	Fluorene	1.347	1.510	-12.1	142	-0.02	15.07
67	t	4-Chlorophenyl-phenylethe	0.535	0.600	-12.1	145	-0.03	15.19
68	t	4-Nitroaniline	0.338	0.386	-14.2	141	0.03	15.50
69	I	Phenanthrene-d10	1.000	1.000	0.0	127	-0.02	17.19
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	54.706	-9.4	149	0.03	15.57
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.597	0.685	-14.7	145	-0.02	15.55
72	t	1,2-Diphenylhydrazine	0.752	0.914	-21.5#	155	-0.02	15.55
73	S	2,4,6-Tribromophenol	0.107	0.128	-19.6	148	0.00	15.73
74	t	4-Bromophenyl-phenylether	0.177	0.213	-20.3#	152	-0.03	16.29
75	t	Hexachlorobenzene	0.214	0.240	-12.1	148	-0.01	16.53
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	100.000	89.733	10.3	117	0.00	17.09

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1040-CC996
Lab FileID: 3E22910.D

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.225	1.292	-5.5	141	-0.01	17.24
78	t	Anthracene	1.192	1.319	-10.7	140	-0.01	17.34
79	t	Carbazole	1.085	1.235	-13.8	139	0.00	17.90
80	t	Di-n-butylphthalate	1.351	1.653	-22.4#	152	-0.03	19.06
81	t	Fluoranthene	1.130	1.296	-14.7	144	0.00	19.99
82	t	Octadecane	0.423	0.495	-17.0	145	-0.04	17.43
83	I	Chrysene-d12	1.000	1.000	0.0	138	0.00	22.98
84	t	Pyrene	1.342	1.362	-1.5	142	0.00	20.46
85	S	Terphenyl-d14	0.876	0.942	-7.5	153	-0.02	21.06
			True	Calc.	% Drift			
86	t	Butylbenzylphthalate	50.000	51.167	-2.3	156	-0.03	22.26
			AvgRF	CCRF	% Dev			
87		Butyl stearate	0.354	0.412	-16.4	157	-0.03	22.48
88	t	Benzo[a]anthracene	1.069	1.155	-8.0	153	0.00	22.95
89	t	3,3'-Dichlorobenzidine	0.393	0.455	-15.8	152	0.00	23.07
90	t	Chrysene	1.105	1.140	-3.2	154	0.01	23.02
			True	Calc.	% Drift			
91	t	bis(2-Ethylhexyl)phthalat	50.000	52.461	-4.9	160	-0.03	23.44
			AvgRF	CCRF	% Dev			
92	I	Perylene-d12	1.000	1.000	0.0	135	0.02	25.26
			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	55.331	-10.7	168	-0.02	24.44
94	t	Benzo[b]fluoranthene	50.000	53.929	-7.9	148	0.03	24.74
			AvgRF	CCRF	% Dev			
95	t	Benzo[k]fluoranthene	1.219	1.284	-5.3	163	0.02	24.77
96	t	Benzo[a]pyrene	0.964	1.154	-19.7	150	0.02	25.17
97	t	Indeno[1,2,3-cd]pyrene	1.251	1.456	-16.4	157	0.03	26.64
98	t	Dibenz(a,h)acridine	0.907	1.131	-24.7#	159	0.02	26.39
99	t	Dibenz[a,h]anthracene	1.050	1.253	-19.3	157	0.02	26.66
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	50.000	56.617	-13.2	148	0.00	24.75
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.107	1.237	-11.7	153	0.03	26.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e22739.D M3E996.M Thu Nov 12 16:52:24 2009 3E

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: E3E1040-CC998
Lab FileID: 3E22911.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\E3e1040\3e22911.D          Vial: 3
Acq On    : 11 Nov 2009   3:37 pm                    Operator: olgaa
Sample    : cc998-50                                 Inst    : GCMS3E
Misc      : op40797,e3e1040,                         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\MSDCHEM\1\METHODS\M3E996.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, ZB-5MS 20m x .18mm x .18um
Last Update  : Tue Nov 10 13:43:06 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	105	-0.03	6.59
103	Benzaldehyde	0.959	0.827	13.8	81	-0.20	5.53
104	Acenaphthene-d10a	1.000	1.000	0.0	109	-0.03	13.81
105	Atrazine	0.155	0.171	-10.3	101	-0.19	17.03
106	1,2,4,5-Tetrachlorobenzen	0.415	0.415	0.0	96	-0.21	11.89
107	Chrysene-d12a	1.000	1.000	0.0	123	0.00	22.97
108	Benzidine	0.737	0.591	19.8	83	0.00	20.56
109	Phenanthrene-d10a	1.000	1.000	0.0	109	-0.02	17.19
	----------	True	Calc.	% Drift	----------		
110	Methyl parathion	50.000	67.820	-35.6#	130	-0.21	18.42
111	Parathion	50.000	58.683	-17.4	121	-0.22	19.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e22739.D M3E996.M Thu Nov 12 16:55:42 2009 3E

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1925-ICC1925
Lab FileID: P45154.D

Response Factor Report MSP

Method : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update : Mon Sep 28 11:19:01 2009
Response via : Initial Calibration

Calibration Files
100 =p45155.D 80 =p45156.D 50 =p45154.D 25 =p45157.D
10 =p45158.D 5 =p45159.D 2 =p45160.D 1 =p45161.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------									
2) 1,4-Dioxane	0.672	0.658	0.655	0.669	0.708	0.710	0.630	0.756	0.682	5.89
3) Pyridine	1.679	1.647	1.636	1.701	1.883	1.727	1.536	1.645	1.682	5.89
4) N-Nitrosodim	0.873	0.876	0.890	0.952	1.046	0.967	0.973	1.040	0.952	7.23
5) 2-Fluorophen	1.448	1.433	1.439	1.557	1.636	1.514	1.451	1.535	1.502	4.82
6) Indene	1.620	1.631	1.785	1.881	2.088	2.023	2.078	2.390	1.937	13.46
7) Cumene	2.606	2.624	2.751	2.908	3.169	3.029	3.011	3.267	2.921	8.35
8) Phenol-d5	1.717	1.705	1.741	1.826	1.913	1.799	1.792	1.815	1.788	3.78
9) Phenol	1.576	1.578	1.697	1.797	1.938	1.843	1.859	1.997	1.786	8.77
10) Aniline	1.375	1.382	1.458	1.615	1.982	2.008	2.031		1.693	17.97
----- Linear regression ----- Coefficient = 0.9985										
Response Ratio = 0.11273 + 1.33727 *A										
11) bis(2-Chloro	1.061	1.059	1.149	1.190	1.330	1.313	1.320	1.493	1.239	12.18
12) 2-Chlorophen	1.188	1.192	1.319	1.394	1.549	1.509	1.518	1.667	1.417	12.27
13) Decane	1.309	1.326	1.440	1.533	1.703	1.657	1.724	1.944	1.580	13.84
14) 1,3-Dichloro	1.458	1.460	1.577	1.647	1.825	1.773	1.793	2.027	1.695	11.58
15) 1,4-Dichloro	1.379	1.382	1.512	1.550	1.686	1.606	1.600	1.836	1.569	9.69
16) Benzyl alcoh	0.682	0.679	0.764	0.805	0.873	0.818	0.799	0.883	0.788	9.76
17) 1,2-Dichloro	1.131	1.156	1.301	1.407	1.576	1.559	1.606		1.391	14.39
18) Acetophenone	1.468	1.470	1.630	1.694	1.859	1.776	1.824	2.093	1.727	12.12
19) 2-Methylphen	1.041	1.026	1.111	1.164	1.307	1.219	1.161	1.227	1.157	8.27
20) 2,2'-oxybis(	0.375	0.372	0.394	0.396	0.436	0.414	0.420	0.497	0.413	9.75
21) 3&4-Methylph	1.147	1.157	1.240	1.287	1.370	1.279	1.182	1.249	1.239	6.08
22) n-Nitroso-di	0.777	0.774	0.833	0.851	0.925	0.865	0.882	0.959	0.858	7.59
23) Hexachloroet	0.451	0.462	0.519	0.543	0.601	0.578	0.609	0.655	0.552	13.07
24) I Naphthalene-d8	----------ISTD----------									
25) Nitrobenzene	0.425	0.422	0.408	0.408	0.422	0.372	0.353	0.370	0.397	7.06
26) Nitrobenzene	0.195	0.195	0.197	0.199	0.210	0.190	0.177	0.181	0.193	5.30
27) Quinoline	0.765	0.751	0.746	0.749	0.813	0.750	0.741	0.814	0.766	3.92
28) Isophorone	0.688	0.694	0.690	0.700	0.759	0.691	0.678	0.702	0.700	3.57
29) 2-Nitropheno	0.204	0.203	0.201	0.201	0.201	0.170	0.147		0.189	11.78
30) 2,4-Dimethyl	0.319	0.318	0.306	0.295	0.317	0.284			0.307	4.69
31) Benzoic Acid	0.305	0.297	0.261	0.226	0.143	0.076			0.218	41.78
----- Linear regression ----- Coefficient = 0.9974										
Response Ratio = -0.04807 + 0.31977 *A										
32) bis(2-Chloro	0.407	0.412	0.417	0.430	0.477	0.446	0.445	0.499	0.442	7.35
33) 2,4-Dichloro	0.333	0.335	0.338	0.349	0.382	0.350	0.332	0.332	0.344	5.01
34) 2,6-Dichloro	0.324	0.323	0.329	0.335	0.358	0.328	0.303	0.331	0.329	4.58
35) 1,3,5-Trichl	0.347	0.353	0.375	0.395	0.457	0.433	0.443	0.498	0.413	13.05
36) 1,2,4-Trichl	0.366	0.365	0.374	0.383	0.429	0.401	0.409	0.470	0.399	9.06
37) 1,2,3-Trichl	0.344	0.347	0.359	0.366	0.410	0.383	0.397	0.428	0.379	8.09
38) Naphthalene	0.900	0.923	1.001	1.042	1.175	1.112	1.157	1.295	1.076	12.50
39) 4-Chloroanil	0.429	0.430	0.436	0.451	0.510	0.474	0.469	0.510	0.464	7.12

Initial Calibration Summary

Job Number: JA31420 **Sample:** EP1925-ICC1925
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** P45154.D
Project: Hess-Port Reading, NJ

```
40) 2,3-Dichloro 0.397 0.399 0.399 0.409 0.442 0.409 0.398 0.438 0.411   4.46
41) Caprolactam  0.191 0.188 0.170 0.165 0.174 0.153 0.138 0.128 0.163  13.73
42) Hexachlorobu 0.166 0.168 0.185 0.190 0.213 0.207 0.211 0.242 0.198  12.94
43) 4-Chloro-3-m 0.318 0.317 0.322 0.319 0.340 0.301 0.277 0.272 0.308   7.52
44) 2-Methylnaph 0.744 0.753 0.771 0.800 0.886 0.829 0.857 0.933 0.821   8.17
45) 1-Methylnaph 0.669 0.673 0.701 0.729 0.827 0.781 0.825 0.916 0.765  11.43
46) Dimethylnaph 0.647 0.644 0.667 0.676 0.737 0.708 0.716 0.777 0.696   6.69

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.301 0.303 0.314 0.326 0.349 0.310 0.278 0.279 0.308   7.59
49) 2,4,6-Trichl 0.392 0.417 0.422 0.434 0.468 0.446 0.395 0.361 0.417   8.12
50) 2,4,5-Trichl 0.322 0.309 0.346 0.384 0.445 0.391 0.368       0.366  12.57
51) 2-Fluorobiph       1.113 1.226 1.363 1.596 1.581 1.668       1.424  15.81
52) 2-Chloronaph 1.055 1.060 1.113 1.198 1.355 1.293 1.374 1.484 1.242  12.84
53) Biphenyl     1.384 1.403 1.456 1.545 1.743 1.704 1.742 1.892 1.609  11.64
54) 2-Nitroanili 0.288 0.284 0.286 0.287 0.300 0.254 0.217 0.202 0.265  13.82
55) Dimethylphth 1.242 1.242 1.275 1.337 1.466 1.406 1.421 1.575 1.370   8.63
56) Acenaphthyle 1.764 1.792 1.873 1.993 2.215 2.104 2.128 2.246 2.014   9.33
57) 2,6-Dinitrot 0.285 0.283 0.275 0.269 0.265 0.206 0.159       0.249  19.26
            ----- Linear regression -----  Coefficient =  0.9998
              Response Ratio = -0.00923 + 0.28751 *A

58) 3-Nitroanili 0.307 0.306 0.301 0.304 0.313 0.250 0.208       0.284  14.04
59) Acenaphthene 1.074 1.071 1.110 1.161 1.289 1.227 1.246 1.374 1.194   9.10
60) 2,4-Dinitrop 0.136 0.133 0.116 0.099 0.073 0.041             0.100  37.13
            ----- Linear regression -----  Coefficient =  0.9968
              Response Ratio = -0.04129 + 0.14246 *A

61) 4-Nitropheno 0.156 0.153 0.144 0.134 0.133 0.093 0.065       0.126  26.92
            ----- Linear regression -----  Coefficient =  0.9990
              Response Ratio = -0.00908 + 0.15772 *A

62) Dibenzofuran 1.475 1.492 1.579 1.676 1.890 1.820 1.804 2.047 1.723  11.74
63) 2,4-Dinitrot 0.376 0.376 0.373 0.367 0.366 0.266 0.173       0.328  24.06
            ----- Linear regression -----  Coefficient =  0.9999
              Response Ratio = -0.00904 + 0.37998 *A

64) 2,3,4,6-Tetr 0.362 0.365 0.367 0.373 0.385 0.329 0.260       0.349  12.22
65) Diethylphtha 1.105 1.100 1.196 1.273 1.430 1.356 1.347 1.406 1.277  10.20
66) Fluorene     1.181 1.186 1.254 1.347 1.519 1.462 1.481 1.574 1.375  11.26
67) 4-Chlorophen 0.557 0.564 0.600 0.642 0.724 0.710 0.708 0.766 0.659  12.03
68) 4-Nitroanili 0.274 0.273 0.291 0.307 0.337 0.288 0.243       0.288  10.33

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.133 0.131 0.115 0.103 0.080 0.046 0.032       0.091  44.01
            ----- Linear regression -----  Coefficient =  0.9968
              Response Ratio = -0.01407 + 0.13652 *A

71) n-Nitrosodip 0.452 0.459 0.484 0.521 0.608 0.585 0.602 0.613 0.540  12.84
72) 1,2-Diphenyl 0.583 0.592 0.641 0.687 0.819 0.788 0.840 0.901 0.731  16.59
            ----- Linear regression -----  Coefficient =  0.9975
              Response Ratio = 0.03741 + 0.57744 *A

73) 2,4,6-Tribro 0.137 0.138 0.146 0.148 0.158 0.135 0.121 0.108 0.136  11.59
74) 4-Bromopheny 0.206 0.210 0.228 0.244 0.282 0.268 0.268 0.298 0.250  13.56
75) Hexachlorobe 0.251 0.259 0.277 0.293 0.336 0.325 0.338 0.367 0.306  13.63
76) Pentachlorop 0.155 0.156 0.170 0.174 0.184 0.142 0.097 0.067 0.143  28.33
            ----- Linear regression -----  Coefficient =  0.9974
              Response Ratio = 0.00609 + 0.15642 *A
```

Initial Calibration Summary

Job Number: JA31420 **Sample:** EP1925-ICC1925
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** P45154.D
Project: Hess-Port Reading, NJ

```
 77) Phenanthrene 0.933 0.939 1.008 1.053 1.193 1.137 1.161 1.325 1.094  12.41
 78) Anthracene   0.927 0.944 1.003 1.074 1.230 1.171 1.201 1.295 1.106  12.53
 79) Carbazole    0.936 0.941 1.001 1.061 1.210 1.136 1.150 1.213 1.081  10.46
 80) Di-n-butylph 1.178 1.185 1.260 1.309 1.456 1.296 1.240 1.232 1.269   6.99
 81) Fluoranthene 1.123 1.149 1.234 1.323 1.546 1.435 1.505 1.630 1.368  13.86
 82) Octadecane   0.406 0.413 0.450 0.473 0.542 0.496 0.491 0.500 0.471   9.76

 83) I   Chrysene-d12          ----------------ISTD--------------------
 84) Pyrene       1.242 1.276 1.307 1.369 1.561 1.463 1.523 1.649 1.424  10.37
 85) Butyl steara 0.329 0.341 0.304 0.351 0.384 0.375 0.389 0.437 0.364  11.41
 86) Terphenyl-d1 0.878 0.899 0.926 0.975 1.131 1.054 1.135 1.236 1.029  12.63
 87) Butylbenzylp 0.548 0.555 0.525 0.564 0.631 0.557 0.513 0.507 0.550   7.10
 88) Benzo[a]anth 1.107 1.133 1.161 1.202 1.388 1.301 1.398 1.609 1.287  13.31
 89) 3,3'-Dichlor 0.502 0.513 0.515 0.532 0.575 0.501 0.458 0.433 0.504   8.57
 90) Chrysene     0.977 0.992 0.963 1.041 1.194 1.107 1.188 1.390 1.106  13.22
 91) bis(2-Ethylh 0.816 0.836 0.820 0.809 0.862 0.698 0.624 0.569 0.754  14.52

 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 1.240 1.246 1.270 1.338 1.416 1.148 0.967       1.232  11.68
 94) Benzo[b]fluo 1.032 1.104 1.075 1.294 1.511 1.480 1.357 1.476 1.291  15.24
             ----- Linear regression -----  Coefficient =  0.9959
               Response Ratio = 0.06860 + 1.03454 *A

 95) Benzo[k]fluo 0.882 0.863 1.027 1.053 1.288 1.204 1.440 1.579 1.167  22.12
             ----- Linear regression -----  Coefficient =  0.9933
               Response Ratio = 0.07099 + 0.86275 *A

 96) Benzo[a]pyre 1.057 1.053 1.093 1.167 1.336 1.224 1.241 1.367 1.192  10.15
 97) Indeno[1,2,3 0.979 0.947 1.016 1.122 1.284 1.185 1.195 1.261 1.124  11.49
 98) Dibenz(a,h)a 1.085 1.080 1.088 1.155 1.253 1.125 1.093 1.116 1.124   5.14
 99) Dibenz[a,h]a 1.169 1.178 1.199 1.285 1.397 1.246 1.246 1.303 1.253   6.03
100) 7,12-Dimethy 0.518 0.520 0.516 0.533 0.534 0.404 0.379 0.395 0.475  14.44
101) Benzo[g,h,i] 1.205 1.212 1.218 1.280 1.406 1.278 1.272 1.390 1.283   6.04

-------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MP1925.M          Mon Sep 28 11:21:32 2009   MSP
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1926-ICC1926
Lab FileID: P45169.D

```
                         Response Factor Report  MSP

  Method       : C:\MSDCHEM\1\METHODS\MP1926.M (RTE Integrator)
  Title        : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
  Last Update  : Fri Sep 25 08:44:00 2009
  Response via : Initial Calibration

  Calibration Files
  100 =p45167.D    80  =p45168.D    50  =p45169.D    25  =p45170.D
  10  =p45171.D    5   =p45172.D    2   =p45173.D    1   =p45174.D

   Compound         100   80    50    25    10    5     2     1     Avg %RSD
  ---------------------------------------------------------------------------

102)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
103) Benzaldehyde 0.850 0.931 0.986 0.985 1.239 1.183 1.068 1.224 1.058  13.64

104)     Phenanthrene-d10a     ----------------ISTD---------------------
105) Atrazine     0.097 0.102 0.118 0.111 0.125 0.113 0.090 0.102 0.107  10.72
106) Methyl Parat 0.107 0.108 0.163 0.100 0.091 0.070             0.107  29.21
107) Parathion    0.103 0.108 0.126 0.094 0.091 0.070 0.037 0.042 0.084  37.99
          ----- Quadratic regression -----                Coefficient =  0.9943
               Response Ratio = -0.00793 + 0.13824 *A + -0.01273 *A^2


108)     Acenaphthene-d10a     ----------------ISTD---------------------
109) 1,2,4,5-Tetr 0.549 0.582 0.664 0.632 0.754 0.769 0.689 0.823 0.683  13.95

110)     Chrysene-d12a         ----------------ISTD---------------------
111) Benzidine    0.518 0.578 0.686 0.692 0.877 0.762 0.588 0.542 0.655  18.66
          ----- Quadratic regression -----                Coefficient =  0.9989
               Response Ratio = -0.00635 + 0.83219 *A + -0.12451 *A^2

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MP1926.M          Fri Sep 25 09:21:07 2009   MSP
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1926-ICV1925
Lab FileID: P45177.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\ep1925\p45177.D Vial: 20
Acq On : 25 Sep 2009 8:26 am Operator: ninap
Sample : icv1925-50 Inst : MSP
Misc : op39814,ep1926,1000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update : Fri Sep 25 12:41:31 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	5.58
		----------	True	Calc.	% Drift	----------		
10	t	Aniline	50.000	61.169	-22.3#	151	0.00	5.06
		----------	AvgRF	CCRF	% Dev	----------		
24	I	Naphthalene-d8	1.000	1.000	0.0	130	0.00	7.86
39	t	4-Chloroaniline	0.464	0.430	7.3	128	0.00	8.11
47	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	11.47
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	-0.01	14.62
83	I	Chrysene-d12	1.000	1.000	0.0	128	-0.01	18.98
89	t	3,3'-Dichlorobenzidine	0.504	0.479	5.0	119	0.00	18.87
92	I	Perylene-d12	1.000	1.000	0.0	122	-0.01	20.87
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	89	0.00	5.58
103		Benzaldehyde	1.058	0.949	10.3	85	0.00	4.99
104		Phenanthrene-d10a	1.000	1.000	0.0	92	-0.01	14.62
105		Atrazine	0.107	0.100	6.5	78	0.00	14.04
110		Chrysene-d12a	1.000	1.000	0.0	97	-0.01	18.98
		----------	True	Calc.	% Drift	----------		
111		Benzidine	50.000	58.038	-16.1	107	0.00	17.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1926-ICV1925
Lab FileID: P45177.D

p45154.D MP1925.M Fri Sep 25 14:25:42 2009 MSP

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45182.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\ep1927\p45182.D Vial: 5
Acq On : 25 Sep 2009 11:57 am Operator: ninap
Sample : icv1925-50 Inst : MSP
Misc : op39814,ep1927,2nd source-1,2 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update : Mon Sep 28 11:19:01 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00	5.58
2	t	1,4-Dioxane	0.682	0.479	29.8#	99	0.02	2.15
3	t	Pyridine	1.682	1.394	17.1	116	0.00	2.43
4	t	N-Nitrosodimethylamine	0.952	0.779	18.2	119	0.01	2.49
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene	1.937	1.919	0.9	146	0.00	5.95
7	t	Cumene	2.921	2.602	10.9	128	0.00	4.23
8	S	Phenol-d5		----------NA----------				
9	t	Phenol		----------NA----------				
		----------	True	Calc.	% Drift	----------		
10	t	Aniline		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
11	t	bis(2-Chloroethyl)ether	1.239	1.216	1.9	144	0.00	5.23
12	t	2-Chlorophenol		----------NA----------				
13	t	Decane	1.580	1.420	10.1	134	0.00	5.01
14	t	1,3-Dichlorobenzene	1.695	1.559	8.0	134	0.00	5.46
15	t	1,4-Dichlorobenzene	1.569	1.433	8.7	129	0.00	5.61
16	t	Benzyl alcohol	0.788	0.711	9.8	126	0.00	5.82
17	t	1,2-Dichlorobenzene	1.391	1.302	6.4	136	0.00	5.82
18	t	Acetophenone	1.727	1.533	11.2	128	0.00	6.37
19	t	2-Methylphenol		----------NA----------				
20	t	2,2'-oxybis(1-Chloropropa	0.413	0.383	7.3	132	0.00	6.06
21	t	3&4-Methylphenol		----------NA----------				
22	t	n-Nitroso-di-n-propylamin	0.858	0.803	6.4	131	-0.01	6.35
23	t	Hexachloroethane	0.552	0.544	1.4	142	0.00	6.23
24	I	Naphthalene-d8	1.000	1.000	0.0	128	0.00	7.86
25	S	Nitrobenzene-d5		----------NA----------				
26	t	Nitrobenzene	0.193	0.188	2.6	122	0.00	6.72
27	t	Quinoline	0.766	0.742	3.1	128	-0.02	8.63
28	t	Isophorone	0.700	0.654	6.6	122	-0.01	7.15
29	t	2-Nitrophenol		----------NA----------				
30	t	2,4-Dimethylphenol		----------NA----------				
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.442	0.458	-3.6	141	0.00	7.49
33	t	2,4-Dichlorophenol		----------NA----------				

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45182.D

34		2,6-Dichlorophenol		----------NA----------				
35	t	1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene	0.399	0.397	0.5	136	0.00	7.83
37	t	1,2,3-Trichlorobenzene		----------NA----------				
38	t	Naphthalene	1.076	0.891	17.2	114	0.00	7.90
39	t	4-Chloroaniline		----------NA----------				
40	t	2,3-Dichloroaniline	0.411	0.332	19.2	107	0.00	9.90
41	t	Caprolactam	0.163	0.147	9.8	111	-0.04	8.86
42	t	Hexachlorobutadiene	0.198	0.172	13.1	120	0.00	7.91
43	t	4-Chloro-3-methylphenol		----------NA----------				
44	t	2-Methylnaphthalene	0.821	0.768	6.5	128	0.00	9.33
45	t	1-Methylnaphthalene	0.765	0.647	15.4	119	0.00	9.51
46	t	Dimethylnaphthalene	0.696	0.615	11.6	118	0.00	10.64
47	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	11.47
48	t	Hexachlorocyclopentadiene	0.308	0.323	-4.9	116	0.00	9.45
49	t	2,4,6-Trichlorophenol		----------NA----------				
50	t	2,4,5-Trichlorophenol		----------NA----------				
51	S	2-Fluorobiphenyl		----------NA----------				
52	t	2-Chloronaphthalene	1.242	1.173	5.6	119	0.00	10.36
53	t	Biphenyl	1.609	1.535	4.6	119	0.00	10.25
54	t	2-Nitroaniline	0.265	0.289	-9.1	114	0.00	10.67
55	t	Dimethylphthalate	1.370	1.279	6.6	113	0.00	10.98
56	t	Acenaphthylene	2.014	1.711	15.0	103	0.00	11.17
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	50.160	-0.3	115	0.00	11.42
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.284	0.261	8.1	98	0.00	11.59
59	t	Acenaphthene	1.194	1.100	7.9	112	0.00	11.54
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol		----------NA----------				
61	t	4-Nitrophenol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.723	1.666	3.3	119	0.00	11.90
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	48.506	3.0	109	0.00	12.49
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol		----------NA----------				
65	t	Diethylphthalate	1.277	1.277	0.0	120	0.00	12.36
66	t	Fluorene	1.375	1.269	7.7	114	0.00	12.66
67	t	4-Chlorophenyl-phenylethe	0.659	0.625	5.2	117	0.00	12.55
68	t	4-Nitroaniline	0.288	0.269	6.6	104	0.00	12.89
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	14.62
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.540	0.483	10.6	113	0.00	12.88
		----------	True	Calc.	% Drift	----------		
72	t	1,2-Diphenylhydrazine	50.000	52.849	-5.7	113	0.00	12.89

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45182.D

			AvgRF	CCRF	% Dev			
73	S	2,4,6-Tribromophenol		NA				
74	t	4-Bromophenyl-phenylether	0.250	0.240	4.0	119	0.00	13.57
75	t	Hexachlorobenzene	0.306	0.272	11.1	112	0.00	13.91
			True	Calc.	% Drift			
76	t	Pentachlorophenol		NA				
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.094	0.977	10.7	110	0.00	14.68
78	t	Anthracene	1.106	0.971	12.2	110	0.00	14.81
79	t	Carbazole	1.081	1.004	7.1	114	0.00	15.17
80	t	Di-n-butylphthalate	1.269	1.179	7.1	106	0.00	15.59
81	t	Fluoranthene	1.368	1.161	15.1	107	0.00	16.86
82	t	Octadecane	0.471	0.430	8.7	108	0.00	13.96
83	I	Chrysene-d12	1.000	1.000	0.0	104	0.00	18.99
84	t	Pyrene	1.424	1.332	6.5	106	0.00	17.22
85		Butyl stearate		NA				
86	S	Terphenyl-d14		NA				
87	t	Butylbenzylphthalate	0.550	0.617	-12.2	122	0.00	17.98
88	t	Benzo[a]anthracene	1.287	1.143	11.2	102	0.00	18.97
89	t	3,3'-Dichlorobenzidine		NA				
90	t	Chrysene	1.106	0.994	10.1	107	0.00	19.03
91	t	bis(2-Ethylhexyl)phthalat	0.754	0.829	-9.9	105	0.00	18.67
92	I	Perylene-d12	1.000	1.000	0.0	96	-0.01	20.87
93	t	Di-n-octylphthalate	1.232	1.320	-7.1	100	0.00	19.50
			True	Calc.	% Drift			
94	t	Benzo[b]fluoranthene	50.000	50.807	-1.6	99	0.00	20.36
95	t	Benzo[k]fluoranthene	50.000	55.285	-10.6	95	0.00	20.39
			AvgRF	CCRF	% Dev			
96	t	Benzo[a]pyrene	1.192	1.091	8.5	96	0.00	20.81
97	t	Indeno[1,2,3-cd]pyrene	1.124	1.044	7.1	99	0.00	22.57
98	t	Dibenz(a,h)acridine	1.124	1.074	4.4	95	-0.01	22.09
99	t	Dibenz[a,h]anthracene	1.253	1.174	6.3	94	-0.01	22.52
100	t	7,12-Dimethylbenz(a)anthr	0.475	0.528	-11.2	99	0.00	20.31
101	t	Benzo[g,h,i]perylene	1.283	1.182	7.9	93	-0.02	23.09
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	95	0.00	5.58
103		Benzaldehyde		NA				
104		Phenanthrene-d10a	1.000	1.000	0.0	92	0.00	14.62
105		Atrazine	0.107	0.087	18.7	67	0.00	14.04
106		Methyl Parathion		NA				
			True	Calc.	% Drift			
107		Parathion		NA				
			AvgRF	CCRF	% Dev			
108		Acenaphthene-d10a	1.000	1.000	0.0	85	0.00	11.47
109		1,2,4,5-Tetrachlorobenzen	0.683	0.651	4.7	84	0.00	9.78
110		Chrysene-d12a	1.000	1.000	0.0	79	0.00	18.99
			True	Calc.	% Drift			
111		Benzidine		NA				

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45182.D

```
-----------------------------------------------------------------------------
-----------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    p45154.D   MP1925.M         Mon Sep 28 13:49:02 2009   MSP
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45181.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDChem\1\DATA\ep1927\p45181.D            Vial: 4
Acq On    : 25 Sep 2009  12:34 pm                     Operator: ninap
Sample    : icv1925-25                                Inst    : MSP
Misc      : op39814,ep1927                            Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title        : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update  : Fri Sep 25 12:41:31 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	5.58
9	t	Phenol	1.786	1.641	8.1	98	-0.01	4.89
12	t	2-Chlorophenol	1.417	1.371	3.2	105	-0.01	5.15
19	t	2-Methylphenol	1.157	1.097	5.2	101	0.00	5.90
21	t	3&4-Methylphenol	1.239	1.142	7.8	95	-0.02	6.19
24	I	Naphthalene-d8	1.000	1.000	0.0	103	-0.01	7.85
29	t	2-Nitrophenol	0.189	0.183	3.2	94	0.00	7.29
30	t	2,4-Dimethylphenol	0.307	0.356	-16.0	123	-0.01	7.20
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	25.000	15.485	38.1#	61	-0.08	7.33
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.344	0.316	8.1	93	-0.01	7.60
34		2,6-Dichlorophenol	0.329	0.304	7.6	93	-0.01	8.04
43	t	4-Chloro-3-methylphenol	0.308	0.286	7.1	92	-0.02	9.01
47	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00	11.47
49	t	2,4,6-Trichlorophenol	0.417	0.391	6.2	91	-0.02	9.98
50	t	2,4,5-Trichlorophenol	0.366	0.367	-0.3	97	-0.04	10.00
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	45.560	8.8	66	-0.01	12.35
61	t	4-Nitrophenol	25.000	21.117	15.5	80	-0.02	11.82
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.349	0.310	11.2	84	0.00	12.27

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1927-ICV1925
Lab FileID: P45181.D

69	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.01	14.62
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	25.000	21.774	12.9	72	0.00	13.53
		----------	True	Calc.	% Drift	----------		
76	t	Pentachlorophenol	50.000	48.170	3.6	86	0.00	14.31
		----------	AvgRF	CCRF	% Dev	----------		
83	I	Chrysene-d12	1.000	1.000	0.0	104	-0.01	18.98
92	I	Perylene-d12	1.000	1.000	0.0	94	-0.01	20.87

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p45157.D MP1925.M Fri Sep 25 14:32:47 2009 MSP

6.7.14

6

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1962-CC1925
Lab FileID: P45948.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDChem\1\DATA\ep1962\p45948.D            Vial: 2
Acq On    :  5 Nov 2009   8:04 am                     Operator: ninap
Sample    : cc1925-50                                 Inst    : MSP
Misc      : op40523,ep1962,1000                       Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title        : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update  : Tue Oct 27 10:07:29 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	-0.09	5.26
2	t	1,4-Dioxane	0.682	0.650	4.7	127	-0.05	1.92
3	t	Pyridine	1.682	1.390	17.4	109	-0.04	2.23
4	t	N-Nitrosodimethylamine	0.952	0.766	19.5	110	-0.05	2.26
5	S	2-Fluorophenol	1.502	1.347	10.3	120	-0.06	3.36
6	t	Indene	1.937	1.744	10.0	125	-0.09	5.62
7	t	Cumene	2.921	2.612	10.6	121	-0.08	3.92
8	S	Phenol-d5	1.788	1.702	4.8	125	-0.06	4.65
9	t	Phenol	1.786	1.516	15.1	114	-0.07	4.67
		----------	True	Calc.	% Drift	----------		
10	t	Aniline	50.000	32.385	35.2#	84	-0.07	4.77
		----------	AvgRF	CCRF	% Dev	----------		
11	t	bis(2-Chloroethyl)ether	1.239	1.068	13.8	119	-0.08	4.93
12	t	2-Chlorophenol	1.417	1.282	9.5	124	-0.08	4.86
13	t	Decane	1.580	1.022	35.3#	91	-0.09	4.69
14	t	1,3-Dichlorobenzene	1.695	1.542	9.0	125	-0.09	5.14
15	t	1,4-Dichlorobenzene	1.569	1.456	7.2	123	-0.09	5.29
16	t	Benzyl alcohol	0.788	0.679	13.8	114	-0.08	5.53
17	t	1,2-Dichlorobenzene	1.391	1.348	3.1	132	-0.09	5.49
18	t	Acetophenone	1.727	1.559	9.7	122	-0.08	6.06
19	t	2-Methylphenol	1.157	1.028	11.1	118	-0.07	5.65
20	t	2,2'-oxybis(1-Chloropropa	0.413	0.366	11.4	119	-0.06	5.76
21	t	3&4-Methylphenol	1.239	1.170	5.6	121	-0.07	5.95
22	t	n-Nitroso-di-n-propylamin	0.858	0.738	14.0	113	-0.09	6.04
23	t	Hexachloroethane	0.552	0.589	-6.7	145	-0.10	5.88
24	I	Naphthalene-d8	1.000	1.000	0.0	122	-0.10	7.51
25	S	Nitrobenzene-d5	0.397	0.435	-9.6	130	-0.09	6.37
26	t	Nitrobenzene	0.193	0.202	-4.7	124	-0.09	6.40
27	t	Quinoline	0.766	0.785	-2.5	128	-0.07	8.34
28	t	Isophorone	0.700	0.689	1.6	121	-0.09	6.83
29	t	2-Nitrophenol	0.189	0.226	-19.6	137	-0.09	6.97
30	t	2,4-Dimethylphenol	0.307	0.311	-1.3	123	-0.08	6.93
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	50.000	37.205	25.6#	93	-0.05	7.22
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.442	0.408	7.7	119	-0.09	7.17
33	t	2,4-Dichlorophenol	0.344	0.370	-7.6	133	-0.07	7.33

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1962-CC1925
Lab FileID: P45948.D

34		2,6-Dichlorophenol	0.329	0.349	-6.1	129	-0.09	7.73
35	t	1,3,5-Trichlorobenzene	0.413	0.430	-4.1	139	-0.09	6.90
36	t	1,2,4-Trichlorobenzene	0.399	0.397	0.5	129	-0.10	7.50
37	t	1,2,3-Trichlorobenzene	0.379	0.376	0.8	127	-0.10	7.88
38	t	Naphthalene	1.076	0.950	11.7	115	-0.09	7.56
39	t	4-Chloroaniline	0.464	0.366	21.1#	102	-0.08	7.80
40	t	2,3-Dichloroaniline	0.411	0.421	-2.4	128	-0.09	9.57
41	t	Caprolactam	0.163	0.165	-1.2	118	-0.06	8.63
42	t	Hexachlorobutadiene	0.198	0.220	-11.1	145	-0.10	7.55
43	t	4-Chloro-3-methylphenol	0.308	0.335	-8.8	127	-0.06	8.79
44	t	2-Methylnaphthalene	0.821	0.800	2.6	126	-0.10	8.98
45	t	1-Methylnaphthalene	0.765	0.710	7.2	123	-0.10	9.16
46	t	Dimethylnaphthalene	0.696	0.702	-0.9	128	-0.10	10.29
47	I	Acenaphthene-d10	1.000	1.000	0.0	125	-0.10	11.11
48	t	Hexachlorocyclopentadiene	0.308	0.246	20.1#	97	-0.10	9.08
49	t	2,4,6-Trichlorophenol	0.417	0.381	8.6	112	-0.09	9.68
50	t	2,4,5-Trichlorophenol	0.366	0.420	-14.8	151	-0.08	9.75
51	S	2-Fluorobiphenyl	1.424	1.355	4.8	138	-0.10	9.67
52	t	2-Chloronaphthalene	1.242	1.121	9.7	126	-0.10	10.01
53	t	Biphenyl	1.609	1.433	10.9	123	-0.10	9.90
54	t	2-Nitroaniline	0.265	0.286	-7.9	125	-0.09	10.36
55	t	Dimethylphthalate	1.370	1.353	1.2	132	-0.10	10.64
56	t	Acenaphthylene	2.014	1.874	7.0	125	-0.10	10.82
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	71.917	-43.8#	184	-0.09	11.10
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.284	0.302	-6.3	125	-0.09	11.28
59	t	Acenaphthene	1.194	1.116	6.5	125	-0.10	11.18
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	106.291	-6.3	145	-0.09	12.06
61	t	4-Nitrophenol	50.000	55.766	-11.5	146	-0.06	11.66
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.723	1.643	4.6	130	-0.10	11.54
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	52.467	-4.9	131	-0.09	12.18
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.349	0.388	-11.2	132	-0.09	11.95
65	t	Diethylphthalate	1.277	1.307	-2.3	136	-0.10	12.03
66	t	Fluorene	1.375	1.266	7.9	126	-0.10	12.31
67	t	4-Chlorophenyl-phenylethe	0.659	0.601	8.8	125	-0.10	12.19
68	t	4-Nitroaniline	0.288	0.301	-4.5	129	-0.08	12.60
69	I	Phenanthrene-d10	1.000	1.000	0.0	129	-0.10	14.27
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	49.636	0.7	140	-0.09	13.23
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.540	0.486	10.0	130	-0.10	12.53
		----------	True	Calc.	% Drift	----------		
72	t	1,2-Diphenylhydrazine	50.000	48.675	2.7	119	-0.10	12.54

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1962-CC1925
Lab FileID: P45948.D

			AvgRF	CCRF	% Dev			
73	S	2,4,6-Tribromophenol	0.136	0.165	-21.3#	146	-0.10	12.86
74	t	4-Bromophenyl-phenylether	0.250	0.249	0.4	142	-0.10	13.20
75	t	Hexachlorobenzene	0.306	0.298	2.6	139	-0.10	13.56
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	81.214	18.8	89	-0.09	14.00
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.094	0.983	10.1	126	-0.10	14.33
78	t	Anthracene	1.106	0.993	10.2	128	-0.10	14.46
79	t	Carbazole	1.081	0.967	10.5	125	-0.09	14.86
80	t	Di-n-butylphthalate	1.269	1.250	1.5	128	-0.10	15.27
81	t	Fluoranthene	1.368	1.149	16.0	121	-0.08	16.57
82	t	Octadecane	0.471	0.320	32.1#	92	-0.11	13.59
83	I	Chrysene-d12	1.000	1.000	0.0	114	-0.08	18.73
84	t	Pyrene	1.424	1.414	0.7	123	-0.09	16.93
85		Butyl stearate	0.364	0.274	24.7#	103	-0.09	17.62
86	S	Terphenyl-d14	1.029	1.045	-1.6	129	-0.09	17.10
87	t	Butylbenzylphthalate	0.550	0.575	-4.5	125	-0.08	17.71
88	t	Benzo[a]anthracene	1.287	1.137	11.7	111	-0.08	18.71
89	t	3,3'-Dichlorobenzidine	0.504	0.446	11.5	98	-0.08	18.62
90	t	Chrysene	1.106	1.003	9.3	119	-0.08	18.77
91	t	bis(2-Ethylhexyl)phthalat	0.754	0.787	-4.4	109	-0.09	18.39
92	I	Perylene-d12	1.000	1.000	0.0	98	-0.10	20.59
93	t	Di-n-octylphthalate	1.232	1.344	-9.1	104	-0.09	19.23
			True	Calc.	% Drift			
94	t	Benzo[b]fluoranthene	50.000	53.841	-7.7	107	-0.08	20.11
95	t	Benzo[k]fluoranthene	50.000	58.186	-16.4	102	-0.08	20.13
			AvgRF	CCRF	% Dev			
96	t	Benzo[a]pyrene	1.192	1.060	11.1	95	-0.09	20.52
97	t	Indeno[1,2,3-cd]pyrene	1.124	1.051	6.5	102	-0.13	22.17
98	t	Dibenz(a,h)acridine	1.124	1.030	8.4	93	-0.12	21.72
99	t	Dibenz[a,h]anthracene	1.253	1.110	11.4	91	-0.14	22.11
100	t	7,12-Dimethylbenz(a)anthr	0.475	0.480	-1.1	92	-0.09	20.05
101	t	Benzo[g,h,i]perylene	1.283	1.150	10.4	93	-0.14	22.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p45750.D MP1925.M Thu Nov 05 15:58:59 2009 MSP

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1964-CC1925
Lab FileID: P45995.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\ep1964\p45995.D Vial: 2
Acq On : 6 Nov 2009 11:17 am Operator: ninap
Sample : cc1925-25 Inst : MSP
Misc : op40641,ep1964,1000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update : Fri Nov 06 15:39:28 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	-0.01	5.24
2	t	1,4-Dioxane	0.682	0.627	8.1	99	0.00	1.90
3	t	Pyridine	1.682	1.391	17.3	87	0.00	2.20
4	t	N-Nitrosodimethylamine	0.952	0.802	15.8	89	-0.01	2.25
5	S	2-Fluorophenol	1.502	1.398	6.9	95	-0.01	3.34
6	t	Indene	1.937	1.773	8.5	100	-0.01	5.60
7	t	Cumene	2.921	2.799	4.2	102	-0.01	3.90
8	S	Phenol-d5	1.788	1.707	4.5	99	-0.02	4.61
9	t	Phenol	1.786	1.576	11.8	93	-0.02	4.63
		----------	True	Calc.	% Drift	----------		
10	t	Aniline	25.000	19.626	21.5#	81	-0.02	4.74
		----------	AvgRF	CCRF	% Dev	----------		
11	t	bis(2-Chloroethyl)ether	1.239	1.048	15.4	93	-0.01	4.91
12	t	2-Chlorophenol	1.417	1.333	5.9	101	-0.02	4.84
13	t	Decane	1.580	1.155	26.9#	80	-0.01	4.67
14	t	1,3-Dichlorobenzene	1.695	1.591	6.1	102	-0.01	5.12
15	t	1,4-Dichlorobenzene	1.569	1.461	6.9	100	-0.01	5.27
16	t	Benzyl alcohol	0.788	0.679	13.8	89	-0.02	5.50
17	t	1,2-Dichlorobenzene	1.391	1.392	-0.1	105	-0.02	5.47
18	t	Acetophenone	1.727	1.580	8.5	99	-0.02	6.03
19	t	2-Methylphenol	1.157	1.019	11.9	93	-0.01	5.62
20	t	2,2'-oxybis(1-Chloropropa	0.413	0.367	11.1	98	0.02	5.74
21	t	3&4-Methylphenol	1.239	1.140	8.0	94	-0.02	5.92
22	t	n-Nitroso-di-n-propylamin	0.858	0.756	11.9	94	-0.02	6.02
23	t	Hexachloroethane	0.552	0.595	-7.8	116	-0.02	5.86
24	I	Naphthalene-d8	1.000	1.000	0.0	103	-0.02	7.49
25	S	Nitrobenzene-d5	0.397	0.419	-5.5	105	-0.02	6.34
26	t	Nitrobenzene	0.193	0.194	-0.5	100	-0.02	6.38
27	t	Quinoline	0.766	0.760	0.8	104	-0.02	8.30
28	t	Isophorone	0.700	0.678	3.1	99	-0.02	6.80
29	t	2-Nitrophenol	0.189	0.225	-19.0	115	-0.01	6.95
30	t	2,4-Dimethylphenol	0.307	0.293	4.6	102	-0.02	6.90
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	25.000	21.676	13.3	91	-0.07	7.14
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.442	0.390	11.8	93	-0.02	7.15
33	t	2,4-Dichlorophenol	0.344	0.370	-7.6	109	-0.01	7.29

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1964-CC1925
Lab FileID: P45995.D

34		2,6-Dichlorophenol	0.329	0.346	-5.2	106	-0.02	7.71
35	t	1,3,5-Trichlorobenzene	0.413	0.431	-4.4	112	-0.02	6.88
36	t	1,2,4-Trichlorobenzene	0.399	0.397	0.5	107	-0.02	7.48
37	t	1,2,3-Trichlorobenzene	0.379	0.376	0.8	106	-0.02	7.86
38	t	Naphthalene	1.076	0.986	8.4	97	-0.02	7.54
39	t	4-Chloroaniline	0.464	0.398	14.2	91	-0.01	7.78
40	t	2,3-Dichloroaniline	0.411	0.424	-3.2	107	-0.02	9.54
41	t	Caprolactam	0.163	0.159	2.5	99	-0.04	8.57
42	t	Hexachlorobutadiene	0.198	0.224	-13.1	121	-0.01	7.53
43	t	4-Chloro-3-methylphenol	0.308	0.334	-8.4	107	-0.02	8.74
44	t	2-Methylnaphthalene	0.821	0.816	0.6	105	-0.02	8.96
45	t	1-Methylnaphthalene	0.765	0.743	2.9	105	-0.02	9.14
46	t	Dimethylnaphthalene	0.696	0.714	-2.6	109	-0.02	10.27
47	I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.01	11.09
48	t	Hexachlorocyclopentadiene	0.308	0.191	38.0#	65	-0.01	9.06
49	t	2,4,6-Trichlorophenol	0.417	0.403	3.4	102	-0.01	9.65
50	t	2,4,5-Trichlorophenol	0.366	0.435	-18.9	125	-0.01	9.71
51	S	2-Fluorobiphenyl	1.424	1.404	1.4	113	-0.01	9.65
52	t	2-Chloronaphthalene	1.242	1.142	8.1	105	-0.02	9.99
53	t	Biphenyl	1.609	1.480	8.0	105	-0.02	9.88
54	t	2-Nitroaniline	0.265	0.290	-9.4	111	-0.02	10.33
55	t	Dimethylphthalate	1.370	1.382	-0.9	114	-0.01	10.62
56	t	Acenaphthylene	2.014	1.895	5.9	105	-0.01	10.79
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	25.000	46.203	-84.8#	212	-0.01	11.08
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.284	0.311	-9.5	113	-0.02	11.25
59	t	Acenaphthene	1.194	1.131	5.3	107	-0.02	11.16
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	53.211	-6.4	131	-0.02	12.03
61	t	4-Nitrophenol	25.000	28.249	-13.0	134	0.00	11.63
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.723	1.663	3.5	109	-0.01	11.52
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	25.000	27.685	-10.7	122	-0.02	12.15
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.349	0.384	-10.0	113	-0.01	11.93
65	t	Diethylphthalate	1.277	1.357	-6.3	117	-0.02	12.00
66	t	Fluorene	1.375	1.305	5.1	107	-0.02	12.28
67	t	4-Chlorophenyl-phenylethe	0.659	0.632	4.1	108	-0.02	12.16
68	t	4-Nitroaniline	0.288	0.303	-5.2	108	-0.02	12.57
69	I	Phenanthrene-d10	1.000	1.000	0.0	113	-0.01	14.25
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	25.000	26.407	-5.6	134	-0.01	13.21
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.540	0.521	3.5	113	-0.02	12.50
		----------	True	Calc.	% Drift	----------		
72	t	1,2-Diphenylhydrazine	25.000	25.861	-3.4	108	-0.01	12.51

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1964-CC1925
Lab FileID: P45995.D

			AvgRF	CCRF	% Dev			
73	S	2,4,6-Tribromophenol	0.136	0.166	-22.1#	127	-0.01	12.83
74	t	4-Bromophenyl-phenylether	0.250	0.255	-2.0	118	-0.01	13.18
75	t	Hexachlorobenzene	0.306	0.316	-3.3	122	-0.02	13.53
			True	Calc.	% Drift			
76	t	Pentachlorophenol	50.000	38.889	22.2#	82	-0.02	13.97
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.094	1.019	6.9	110	-0.02	14.29
78	t	Anthracene	1.106	1.050	5.1	111	-0.02	14.43
79	t	Carbazole	1.081	1.037	4.1	111	-0.01	14.83
80	t	Di-n-butylphthalate	1.269	1.347	-6.1	117	0.00	15.25
81	t	Fluoranthene	1.368	1.304	4.7	112	-0.01	16.55
82	t	Octadecane	0.471	0.357	24.2#	86	-0.02	13.57
83	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	18.71
84	t	Pyrene	1.424	1.347	5.4	111	-0.01	16.91
85		Butyl stearate	0.364	0.300	17.6	97	0.00	17.59
86	S	Terphenyl-d14	1.029	0.999	2.9	116	-0.01	17.08
87	t	Butylbenzylphthalate	0.550	0.576	-4.7	116	-0.01	17.69
88	t	Benzo[a]anthracene	1.287	1.169	9.2	110	0.00	18.68
89	t	3,3'-Dichlorobenzidine	0.504	0.478	5.2	102	-0.01	18.59
90	t	Chrysene	1.106	0.991	10.4	108	-0.01	18.74
91	t	bis(2-Ethylhexyl)phthalat	0.754	0.812	-7.7	114	0.00	18.37
92	I	Perylene-d12	1.000	1.000	0.0	102	0.00	20.56
93	t	Di-n-octylphthalate	1.232	1.424	-15.6	108	0.00	19.21
			True	Calc.	% Drift			
94	t	Benzo[b]fluoranthene	25.000	28.449	-13.8	101	-0.01	20.08
95	t	Benzo[k]fluoranthene	25.000	26.378	-5.5	99	-0.01	20.10
			AvgRF	CCRF	% Dev			
96	t	Benzo[a]pyrene	1.192	1.127	5.5	98	-0.01	20.49
97	t	Indeno[1,2,3-cd]pyrene	1.124	1.036	7.8	94	-0.02	22.12
98	t	Dibenz(a,h)acridine	1.124	1.040	7.5	91	0.00	21.68
99	t	Dibenz[a,h]anthracene	1.253	1.157	7.7	91	-0.02	22.06
100	t	7,12-Dimethylbenz(a)anthr	0.475	0.482	-1.5	92	0.00	20.02
101	t	Benzo[g,h,i]perylene	1.283	1.152	10.2	91	-0.02	22.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p45157.D MP1925.M Mon Nov 09 12:50:05 2009 MSP

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EP1964-CC1926
Lab FileID: P45996.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDChem\1\DATA\ep1964\p45996.D            Vial: 3
Acq On    :  6 Nov 2009  11:57 am                     Operator: ninap
Sample    : cc1926-25                                 Inst    : MSP
Misc      : op40641,ep1964,1000                       Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MP1925.M (RTE Integrator)
Title        : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update  : Fri Nov 06 15:39:28 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	120	-0.01	5.24
103	Benzaldehyde	1.058	0.840	20.6#	103	0.00	4.66
104	Phenanthrene-d10a	1.000	1.000	0.0	129	-0.02	14.24
105	Atrazine	0.107	0.111	-3.7	129	-0.04	13.68
106	Methyl Parathion	0.107	0.219	-104.7#	282	-0.13	15.09
	----------	True	Calc.	% Drift		----------	
107	Parathion	25.000	30.552	-22.2#	198	-0.12	15.74
	----------	AvgRF	CCRF	% Dev		----------	
108	Acenaphthene-d10a	1.000	1.000	0.0	124	-0.01	11.09
109	1,2,4,5-Tetrachlorobenzen	0.683	0.626	8.3	123	-0.04	9.41
110	Chrysene-d12a	1.000	1.000	0.0	126	0.00	18.71
	----------	True	Calc.	% Drift		----------	
111	Benzidine	25.000	12.366	50.5#	70	0.00	16.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
p45157.D MP1925.M Mon Nov 09 12:50:06 2009 MSP

6.7.17

6

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1890-ICC1890
Lab FileID: Z51597.D

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Thu Oct 29 09:32:02 2009
Response via : Initial Calibration

Calibration Files
100 =Z51602.D 80 =Z51601.D 50 =Z51597.D 25 =Z51599.D
10 =Z51603.D 5 =Z51600.D 2 =Z51598.D 1 =Z51604.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------									
2) 1,4-Dioxane	0.548	0.540	0.571	0.564	0.586	0.568	0.576	0.617	0.571	4.16
3) Pyridine	1.419	1.408	1.431	1.481	1.565	1.424	1.301	1.840	1.484	10.90
4) N-Nitrosodim	0.875	0.864	0.900	0.893	0.943	0.852	0.857	0.963	0.893	4.55
5) 2-Fluorophen	1.348	1.345	1.387	1.374	1.445	1.334	1.320	1.374	1.366	2.88
6) Indene	1.944	1.941	2.117	2.081	2.240	2.023	2.142	2.239	2.091	5.61
7) Cumene	2.452	2.490	2.866	2.905	3.039	2.878	2.936	3.165	2.841	8.76
8) Phenol-d5	1.731	1.727	1.821	1.799	1.877	1.702	1.699	1.770	1.765	3.56
9) Phenol	1.763	1.655	1.817	1.787	1.859	1.692	1.728	1.791	1.762	3.80
10) Aniline	1.457	1.458	1.573	1.618	1.973	1.879	1.863	2.119	1.743	14.31
11) bis(2-Chloro	1.244	1.227	1.316	1.309	1.402	1.287	1.327	1.435	1.318	5.40
12) 2-Chlorophen	1.314	1.310	1.435	1.450	1.534	1.433	1.457	1.528	1.433	5.85
13) Decane	1.196	1.220	1.431	1.457	1.530	1.459	1.513	1.662	1.434	10.89
14) 1,3-Dichloro	1.480	1.489	1.640	1.645	1.737	1.637	1.674	1.895	1.650	8.05
15) 1,4-Dichloro	1.440	1.432	1.590	1.578	1.639	1.546	1.559	1.711	1.562	5.98
16) Benzyl alcoh	0.961	0.948	0.927	0.887	0.971	0.819	0.872	0.777	0.895	7.82
17) 1,2-Dichloro	1.341	1.332	1.482	1.525	1.610	1.524	1.559	1.798	1.522	9.80
18) Acetophenone	1.736	1.744	1.891	1.851	1.955	1.756	1.806	1.957	1.837	4.95
19) 2-Methylphen	1.183	1.187	1.282	1.277	1.349	1.224	1.124	1.133	1.220	6.41
20) 2,2'-oxybis(	0.445	0.438	0.464	0.463	0.488	0.462	0.472	0.559	0.474	7.95
21) 3&4-Methylph	1.331	1.316	1.431	1.380	1.460	1.296	1.207	1.148	1.321	8.02
22) n-Nitroso-di	0.898	0.878	0.928	0.912	0.972	0.862	0.898	0.932	0.910	3.80
23) Hexachloroet	0.511	0.503	0.534	0.529	0.561	0.521	0.546	0.628	0.542	7.34
24) I Naphthalene-d8	----------ISTD----------									
25) Nitrobenzene	0.393	0.398	0.400	0.412	0.466	0.406	0.411	0.431	0.415	5.67
26) Nitrobenzene	0.194	0.194	0.196	0.199	0.227	0.201	0.209	0.198	0.202	5.44
27) Quinoline	0.718	0.715	0.719	0.726	0.810	0.704	0.689	0.716	0.725	5.03
28) Isophorone	0.626	0.640	0.681	0.691	0.791	0.666	0.675	0.659	0.679	7.39
29) 2-Nitropheno	0.223	0.223	0.214	0.213	0.237	0.193	0.197	0.194	0.212	7.52
30) 2,4-Dimethyl	0.343	0.340	0.340	0.313	0.319	0.276			0.322	7.92
31) Benzoic Acid	0.309	0.307	0.250	0.224	0.196				0.257	19.52
----- Linear regression ----- Coefficient = 0.9931										
Response Ratio = -0.05872 + 0.32944 *A										
32) bis(2-Chloro	0.413	0.415	0.424	0.435	0.483	0.435	0.445	0.463	0.439	5.53
33) 2,4-Dichloro	0.324	0.325	0.334	0.336	0.369	0.328	0.330	0.311	0.332	5.04
34) 2,6-Dichloro	0.315	0.314	0.327	0.324	0.360	0.322	0.336	0.340	0.330	4.63
35) 1,3,5-Trichl	0.341	0.342	0.360	0.375	0.423	0.395	0.425	0.459	0.390	11.04
36) 1,2,4-Trichl	0.337	0.340	0.353	0.361	0.409	0.383	0.398	0.438	0.377	9.51
37) 1,2,3-Trichl	0.328	0.333	0.347	0.356	0.393	0.371	0.389	0.425	0.368	9.03
38) Naphthalene	0.957	0.989	1.122	1.146	1.260	1.171	1.228	1.329	1.150	11.12
39) 4-Chloroanil	0.425	0.430	0.445	0.458	0.524	0.466	0.478	0.478	0.463	6.84
40) 2,3-Dichloro	0.363	0.364	0.379	0.388	0.432	0.384	0.409	0.402	0.390	6.01
41) Caprolactam	0.177	0.174	0.159	0.153	0.175	0.125	0.117		0.154	15.92
----- Linear regression ----- Coefficient = 0.9978										

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1890-ICC1890
Lab FileID: Z51597.D

```
                Response Ratio = -0.00773 + 0.17708 *A

42) Hexachlorobu 0.169 0.169 0.175 0.183 0.201 0.193 0.208 0.228 0.191  10.97
43) 4-Chloro-3-m 0.328 0.327 0.333 0.324 0.358 0.306 0.292 0.279 0.318   7.79
44) 2-Methylnaph 0.729 0.748 0.793 0.810 0.908 0.818 0.850 0.888 0.818   7.64
45) 1-Methylnaph 0.710 0.729 0.759 0.779 0.888 0.800 0.841 0.897 0.800   8.72
46) Dimethylnaph 0.627 0.639 0.677 0.682 0.764 0.692 0.726 0.755 0.695   7.21

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.295 0.298 0.311 0.304 0.318 0.283 0.291 0.293 0.299   3.76
49) 2,4,6-Trichl 0.376 0.371 0.392 0.383 0.401 0.361 0.367 0.332 0.373   5.67
50) 2,4,5-Trichl 0.412 0.401 0.413 0.408 0.416 0.365 0.367 0.335 0.390   7.71
51) 2-Fluorobiph 1.271 1.273 1.452 1.464 1.577 1.485 1.587 1.675 1.473   9.81
52) 2-Chloronaph 1.058 1.056 1.164 1.199 1.262 1.201 1.277 1.371 1.199   8.98
53) Biphenyl     1.324 1.342 1.579 1.613 1.724 1.629 1.748 1.886 1.606  12.06
54) 2-Nitroanili 0.305 0.308 0.330 0.331 0.343 0.277 0.264 0.237 0.300  12.39
55) Dimethylphth 1.223 1.226 1.349 1.341 1.441 1.272 1.327 1.328 1.314   5.48
56) Acenaphthyle 1.660 1.677 1.930 1.947 2.098 1.879 1.869 1.858 1.865   7.66
57) 2,6-Dinitrot 0.290 0.284 0.285 0.280 0.303 0.242 0.235 0.211 0.266  12.26
58) 3-Nitroanili 0.359 0.355 0.333 0.331 0.368 0.286 0.257       0.327  12.53
59) Acenaphthene 1.093 1.099 1.215 1.230 1.311 1.185 1.243 1.336 1.214   7.25
60) 2,4-Dinitrop 0.190 0.185 0.154 0.131 0.133                   0.159  17.53
            ----- Linear regression -----  Coefficient =  0.9927
                Response Ratio = -0.07077 + 0.20070 *A

61) 4-Nitropheno 0.173 0.172 0.163 0.150 0.156 0.119             0.155  12.80
62) Dibenzofuran 1.415 1.430 1.652 1.708 1.820 1.712 1.811 1.934 1.685  10.90
63) 2,4-Dinitrot 0.408 0.399 0.397 0.387 0.421 0.336 0.303 0.273 0.366  14.93
64) 2,3,4,6-Tetr 0.338 0.332 0.331 0.325 0.336 0.295 0.277 0.252 0.311  10.43
65) Diethylphtha 1.200 1.197 1.335 1.314 1.407 1.284 1.462 1.261 1.307   7.14
66) Fluorene     1.225 1.228 1.375 1.403 1.516 1.380 1.466 1.531 1.390   8.40
67) 4-Chlorophen 0.574 0.565 0.617 0.622 0.669 0.640 0.681 0.744 0.639   9.19
68) 4-Nitroanili 0.363 0.357 0.334 0.331 0.356 0.272 0.248       0.323  14.00

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.168 0.164 0.144 0.140 0.149                   0.153   7.94
71) n-Nitrosodip 0.548 0.547 0.580 0.589 0.653 0.583 0.604 0.597 0.587   5.69
72) 1,2-Diphenyl 0.692 0.699 0.769 0.795 0.870 0.775 0.788 0.765 0.769   7.31
73) 2,4,6-Tribro 0.121 0.116 0.113 0.113 0.122 0.104 0.106 0.094 0.111   8.40
74) 4-Bromopheny 0.224 0.220 0.226 0.232 0.256 0.222 0.233 0.255 0.233   6.14
75) Hexachlorobe 0.239 0.238 0.252 0.257 0.288 0.259 0.284 0.312 0.266   9.80
76) Pentachlorop 0.161 0.158 0.151 0.143 0.152 0.114 0.115       0.142  14.00
77) Phenanthrene 0.985 0.990 1.130 1.171 1.289 1.176 1.263 1.423 1.178  12.61
78) Anthracene   0.992 0.999 1.066 1.097 1.253 1.089 1.158 1.277 1.116   9.52
79) Carbazole    0.992 0.999 1.091 1.128 1.260 1.095 1.159 1.255 1.122   9.03
80) Di-n-butylph 1.144 1.166 1.286 1.312 1.460 1.232 1.369 1.205 1.272   8.43
81) Fluoranthene 1.094 1.113 1.244 1.276 1.465 1.267 1.345 1.549 1.294  12.15
82) Octadecane   0.423 0.428 0.471 0.478 0.516 0.465 0.486 0.484 0.469   6.57

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.175 1.197 1.353 1.401 1.570 1.395 1.446 1.727 1.408  12.91
85) Butyl steara 0.328 0.338 0.376 0.364 0.406 0.377 0.451 0.476 0.389  13.37
86) Terphenyl-d1 0.856 0.876 0.960 0.986 1.126 0.988 1.046 1.243 1.010  12.66
87) Butylbenzylp 0.580 0.579 0.568 0.559 0.621 0.475 0.493 0.474 0.544  10.22
88) Benzo[a]anth 1.010 1.032 1.134 1.155 1.316 1.128 1.200 1.395 1.171  11.20
89) 3,3'-Dichlor 0.431 0.432 0.421 0.415 0.461 0.349 0.353 0.305 0.396  13.51
90) Chrysene     0.976 0.982 1.104 1.113 1.235 1.103 1.162 1.368 1.131  11.39
91) bis(2-Ethylh 0.724 0.745 0.798 0.810 0.871 0.849 1.176       0.853  17.78
            ----- Linear regression -----  Coefficient =  0.9982
                Response Ratio = 0.03940 + 0.72195 *A
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1890-ICC1890
Lab FileID: Z51597.D

```
 92) I   Perylene-d12          ----------------ISTD--------------------
 93) Di-n-octylph 1.222 1.251 1.328 1.290 1.372 0.993 0.947       1.201  13.77
 94) Benzo[b]fluo 1.325 1.251 1.215 1.345 1.319 1.125 1.107 0.905 1.199  12.41
 95) Benzo[k]fluo       0.967 1.285 1.207 1.431 1.283 1.316 1.599 1.298  14.98
 96) Benzo[a]pyre 1.045 1.047 1.118 1.119 1.216 1.009 1.001 1.023 1.072   6.87
 97) Indeno[1,2,3 1.320 1.313 1.383 1.393 1.495 1.248 1.253 1.041 1.306  10.28
 98) Dibenz(a,h)a 1.000 0.999 1.000 0.992 1.046 0.792 0.753       0.940  12.40
 99) Dibenz[a,h]a 1.100 1.096 1.180 1.182 1.253 1.048 1.053 0.796 1.089  12.66
100) 7,12-Dimethy 0.535 0.523 0.513 0.460 0.407 0.238 0.329 0.350 0.419  25.57
             ----- Linear regression -----  Coefficient =  0.9991
               Response Ratio = -0.02678 + 0.53963 *A

101) Benzo[g,h,i] 1.135 1.110 1.204 1.221 1.310 1.122 1.099 1.136 1.167   6.20

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ1890.M          Thu Oct 29 09:59:50 2009   RPT1
```

6.7.18

6

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-ICC1891
Lab FileID: Z51608.D

```
                         Response Factor Report  MSZ

  Method       : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
  Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
  Last Update  : Thu Oct 29 09:32:02 2009
  Response via : Initial Calibration

  Calibration Files
  100 =Z51606.D    80  =Z51607.D    50  =Z51608.D    25  =Z51609.D
  10  =Z51610.D   5   =Z51611.D   2   =Z51612.D   1   =Z51613.D

  Compound        100   80    50    25    10    5     2     1    Avg %RSD
  ---------------------------------------------------------------------------
102)     1,4-Dichlorobenzene-d ----------------ISTD---------------------
103) Benzaldehyde 0.848 0.912 1.046 1.092 1.138 1.075 0.965 1.116 1.024  10.18

104)     Phenanthrene-d10a     ----------------ISTD---------------------
105) Atrazine     0.110 0.115 0.115 0.109 0.118 0.099 0.078 0.085 0.103  14.29
106) Methyl Parat 0.137 0.141 0.145 0.153 0.161 0.129             0.145   7.78
107) Parathion    0.119 0.124 0.118 0.110 0.114 0.080             0.111  14.18

108)     Chrysene-d12a         ----------------ISTD---------------------
109) Benzidine    0.489 0.538 0.611 0.585 0.679 0.506             0.568  12.58

110)     Acenaphthene-d10a     ----------------ISTD---------------------
111) 1,2,4,5-Tetr 0.530 0.558 0.567 0.592 0.651 0.641 0.556 0.675 0.596   8.86
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MZ1890.M          Fri Oct 30 08:06:11 2009   RPT1
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-ICV1890
Lab FileID: Z51615.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EZ1890\Z51615.D Vial: 19
Acq On : 29 Oct 2009 8:14 am Operator: vanessan
Sample : icv1890-50 Inst : MSZ
Misc : op40445,EZ1891,35.1,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Thu Oct 29 09:54:14 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	183	0.00	4.95
2		1,4-Dioxane	0.571	0.580	-1.6	185	0.00	2.22
3	t	Pyridine	1.484	1.515	-2.1	193	0.00	2.46
4	t	N-Nitrosodimethylamine	0.893	0.902	-1.0	183	0.00	2.43
6	t	Indene	2.091	2.117	-1.2	183	0.00	5.33
7	t	Cumene	2.841	2.516	11.4	160	0.00	4.05
11	t	bis(2-Chloroethyl)ether	1.318	1.304	1.1	181	-0.01	4.65
13	t	Decane	1.434	1.353	5.6	173	0.00	4.77
14	t	1,3-Dichlorobenzene	1.650	1.562	5.3	174	0.00	4.91
15	t	1,4-Dichlorobenzene	1.562	1.497	4.2	172	0.00	4.98
16	t	Benzyl alcohol	0.895	0.860	3.9	169	0.00	5.16
17	t	1,2-Dichlorobenzene	1.522	1.462	3.9	180	0.00	5.23
18	t	Acetophenone	1.837	1.711	6.9	165	-0.01	5.53
20	t	2,2'-oxybis(1-Chloropropa	0.474	0.439	7.4	173	0.00	5.37
22	t	n-Nitroso-di-n-propylamin	0.910	0.847	6.9	167	-0.01	5.56
23	t	Hexachloroethane	0.542	0.512	5.5	175	0.00	5.65
24	I	Naphthalene-d8	1.000	1.000	0.0	163	0.00	6.76
26	t	Nitrobenzene	0.202	0.197	2.5	165	0.00	5.77
27	t	Quinoline	0.725	0.723	0.3	164	-0.02	7.30
28	t	Isophorone	0.679	0.652	4.0	157	-0.01	6.10
32	t	bis(2-Chloroethoxy)methan	0.439	0.445	-1.4	171	0.00	6.44
36	t	1,2,4-Trichlorobenzene	0.377	0.372	1.3	172	0.00	6.70
38	t	Naphthalene	1.150	1.057	8.1	154	-0.01	6.79
40	t	2,3-Dichloroaniline	0.390	0.344	11.8	148	-0.01	8.35
		----------	True	Calc.	% Drift	----------		
41	t	Caprolactam	50.000	40.725	18.5	142	-0.03	7.37
		----------	AvgRF	CCRF	% Dev	----------		
42	t	Hexachlorobutadiene	0.191	0.195	-2.1	181	-0.01	7.07
44	t	2-Methylnaphthalene	0.818	0.778	4.9	160	-0.01	7.85
45	t	1-Methylnaphthalene	0.800	0.714	10.8	154	0.00	8.02
46	t	Dimethylnaphthalene	0.695	0.622	10.5	150	0.00	8.84
47	I	Acenaphthene-d10	1.000	1.000	0.0	156	0.00	9.52
48	t	Hexachlorocyclopentadiene	0.299	0.279	6.7	141	0.00	8.22
52	t	2-Chloronaphthalene	1.199	1.134	5.4	152	-0.01	8.61
53	t	Biphenyl	1.606	1.482	7.7	147	-0.01	8.60
54	t	2-Nitroaniline	0.300	0.307	-2.3	145	0.00	8.84
55	t	Dimethylphthalate	1.314	1.260	4.1	146	0.00	9.20
56	t	Acenaphthylene	1.865	1.651	11.5	134	0.00	9.28

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-ICV1890
Lab FileID: Z51615.D

57	t	2,6-Dinitrotoluene	0.266	0.269	-1.1	147	0.00	9.29
58	t	3-Nitroaniline	0.327	0.294	10.1	138	-0.01	9.50
59	t	Acenaphthene	1.214	1.133	6.7	146	-0.01	9.57
62	t	Dibenzofuran	1.685	1.651	2.0	156	-0.01	9.83
63	t	2,4-Dinitrotoluene	0.366	0.357	2.5	140	-0.01	9.91
65	t	Diethylphthalate	1.307	1.212	7.3	142	-0.01	10.33
66	t	Fluorene	1.390	1.291	7.1	147	-0.01	10.38
67	t	4-Chlorophenyl-phenylethe	0.639	0.580	9.2	147	0.00	10.40
68	t	4-Nitroaniline	0.323	0.316	2.2	147	0.00	10.49
69	I	Phenanthrene-d10	1.000	1.000	0.0	147	0.00	11.84
71	t	n-Nitrosodiphenylamine	0.587	0.590	-0.5	149	0.00	10.60
72	t	1,2-Diphenylhydrazine	0.769	0.770	-0.1	147	0.00	10.65
74	t	4-Bromophenyl-phenylether	0.233	0.232	0.4	150	0.00	11.17
75	t	Hexachlorobenzene	0.266	0.249	6.4	145	0.00	11.39
77	t	Phenanthrene	1.178	1.079	8.4	140	0.00	11.88
78	t	Anthracene	1.116	1.087	2.6	150	0.00	11.94
79	t	Carbazole	1.122	1.116	0.5	150	0.00	12.20
80	t	Di-n-butylphthalate	1.272	1.225	3.7	140	0.00	12.83
81	t	Fluoranthene	1.294	1.146	11.4	135	0.00	13.58
82	t	Octadecane	0.469	0.464	1.1	145	0.00	11.75
83	I	Chrysene-d12	1.000	1.000	0.0	138	0.00	15.46
84	t	Pyrene	1.408	1.333	5.3	136	-0.01	13.88
87	t	Butylbenzylphthalate	0.544	0.578	-6.2	140	0.00	14.82
88	t	Benzo[a]anthracene	1.171	1.063	9.2	129	0.00	15.44
89	t	3,3'-Dichlorobenzidine	0.396	0.321	18.9	105	0.00	15.44
90	t	Chrysene	1.131	1.045	7.6	130	0.00	15.49
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	48.376	3.2	126	0.00	15.57
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	134	-0.01	17.17
93	t	Di-n-octylphthalate	1.201	1.361	-13.3	137	0.00	16.29
94	t	Benzo[b]fluoranthene	1.199	1.202	-0.3	133	-0.01	16.72
95	t	Benzo[k]fluoranthene	1.298	1.155	11.0	121	0.00	16.75
96	t	Benzo[a]pyrene	1.072	1.091	-1.8	131	0.00	17.10
97	t	Indeno[1,2,3-cd]pyrene	1.306	1.327	-1.6	129	-0.01	18.64
98	t	Dibenz(a,h)acridine	0.940	0.962	-2.3	129	0.00	18.29
99	t	Dibenz[a,h]anthracene	1.089	1.092	-0.3	124	-0.01	18.65
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	45.187	9.6	122	0.00	16.74
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.167	1.123	3.8	125	-0.01	19.05
104		Phenanthrene-d10a	1.000	1.000	0.0	117	0.00	11.84
105		Atrazine	0.103	0.103	0.0	105	-0.01	11.52
110		Acenaphthene-d10a	1.000	1.000	0.0	121	0.00	9.52
111		1,2,4,5-Tetrachlorobenzen	0.596	0.623	-4.5	133	0.00	8.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z51597.D MZ1890.M Thu Oct 29 09:55:40 2009 RPT1

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-ICV1890
Lab FileID: Z51617.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1890\Z51617.D            Vial: 21
Acq On    : 29 Oct 2009  10:26 am                    Operator: vanessan
Sample    : icv1890-50                               Inst    : MSZ
Misc      : op40445,EZ1891,35.1,,,1,1                Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	146	0.00	4.95
9	t	Phenol	1.762	1.704	3.3	137	-0.01	4.55
12	t	2-Chlorophenol	1.433	1.410	1.6	144	0.00	4.73
19	t	2-Methylphenol	1.220	1.227	-0.6	140	-0.01	5.33
21	t	3&4-Methylphenol	1.321	1.269	3.9	130	-0.01	5.53
24	I	Naphthalene-d8	1.000	1.000	0.0	133	0.00	6.76
29	t	2-Nitrophenol	0.212	0.223	-5.2	138	-0.01	6.23
30	t	2,4-Dimethylphenol	0.322	0.350	-8.7	137	0.00	6.29
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	50.000	42.914	14.2	125	0.03	6.49
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.332	0.319	3.9	127	-0.01	6.57
34		2,6-Dichlorophenol	0.330	0.321	2.7	130	-0.01	6.92
43	t	4-Chloro-3-methylphenol	0.318	0.306	3.8	122	-0.02	7.67
47	I	Acenaphthene-d10	1.000	1.000	0.0	131	0.00	9.52
49	t	2,4,6-Trichlorophenol	0.373	0.380	-1.9	127	-0.01	8.35
50	t	2,4,5-Trichlorophenol	0.390	0.385	1.3	123	-0.01	8.40
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	93.938	6.1	112	-0.01	9.65
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.142	8.4	114	0.00	9.80
64		2,3,4,6-Tetrachlorophenol	0.311	0.308	1.0	122	-0.01	10.10
69	I	Phenanthrene-d10	1.000	1.000	0.0	118	0.00	11.84
70	t	4,6-Dinitro-2-methylpheno	0.153	0.150	2.0	123	0.00	10.55
76	t	Pentachlorophenol	0.142	0.162	-14.1	126	-0.01	11.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z51597.D MZ1890.M Thu Oct 29 10:52:58 2009 RPT1

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1891-ICV1890
Lab FileID: Z51618.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1890\Z51618.D            Vial: 22
Acq On    : 29 Oct 2009  10:56 am                    Operator: vanessan
Sample    : icv1890-50                               Inst    : MSZ
Misc      : op40445,EZ1891,35.1,,,1,1                Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	4.95
10	t	Aniline	1.743	1.805	-3.6	138	-0.01	4.58
24	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00	6.76
39	t	4-Chloroaniline	0.463	0.441	4.8	114	-0.01	6.91
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	88	0.00	4.95
103		Benzaldehyde	1.024	0.920	10.2	78	-0.02	4.42
108		Chrysene-d12a	1.000	1.000	0.0	90	0.00	15.46
109		Benzidine	0.568	0.665	-17.1	98	0.00	13.78

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 Z51597.D   MZ1890.M         Thu Oct 29 11:21:40 2009   RPT1
```

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1904-CC1890
Lab FileID: Z51910.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EZ1904\Z51910.D Vial: 2
Acq On : 9 Nov 2009 8:44 am Operator: vanessan
Sample : cc1890-25 Inst : MSZ
Misc : op40728,EZ1904,35.1,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	137	-0.04	4.92
2		1,4-Dioxane	0.571	0.590	-3.3	143	-0.04	2.18
3	t	Pyridine	1.484	1.474	0.7	136	-0.04	2.42
4	t	N-Nitrosodimethylamine	0.893	0.906	-1.5	138	-0.04	2.39
5	S	2-Fluorophenol	1.366	1.422	-4.1	141	-0.04	3.48
6	t	Indene	2.091	2.119	-1.3	139	-0.04	5.29
7	t	Cumene	2.841	2.870	-1.0	135	-0.04	4.01
8	S	Phenol-d5	1.765	1.778	-0.7	135	-0.04	4.50
9	t	Phenol	1.762	1.795	-1.9	137	-0.05	4.51
10	t	Aniline	1.743	1.594	8.5	134	-0.05	4.55
11	t	bis(2-Chloroethyl)ether	1.318	1.297	1.6	135	-0.05	4.61
12	t	2-Chlorophenol	1.433	1.443	-0.7	136	-0.04	4.69
13	t	Decane	1.434	1.295	9.7	121	-0.04	4.73
14	t	1,3-Dichlorobenzene	1.650	1.645	0.3	137	-0.04	4.87
15	t	1,4-Dichlorobenzene	1.562	1.587	-1.6	137	-0.04	4.94
16	t	Benzyl alcohol	0.895	0.909	-1.6	140	-0.04	5.12
17	t	1,2-Dichlorobenzene	1.522	1.524	-0.1	136	-0.04	5.19
18	t	Acetophenone	1.837	1.848	-0.6	136	-0.05	5.49
19	t	2-Methylphenol	1.220	1.251	-2.5	134	-0.05	5.29
20	t	2,2'-oxybis(1-Chloropropa	0.474	0.460	3.0	136	-0.04	5.33
21	t	3&4-Methylphenol	1.321	1.352	-2.3	134	-0.04	5.49
22	t	n-Nitroso-di-n-propylamin	0.910	0.865	4.9	129	-0.05	5.52
23	t	Hexachloroethane	0.542	0.543	-0.2	140	-0.05	5.61
24	I	Naphthalene-d8	1.000	1.000	0.0	132	-0.05	6.72
25	S	Nitrobenzene-d5	0.415	0.413	0.5	132	-0.05	5.70
26	t	Nitrobenzene	0.202	0.213	-5.4	141	-0.05	5.72
27	t	Quinoline	0.725	0.746	-2.9	135	-0.05	7.26
28	t	Isophorone	0.679	0.707	-4.1	135	-0.05	6.05
29	t	2-Nitrophenol	0.212	0.237	-11.8	147	-0.05	6.19
30	t	2,4-Dimethylphenol	0.322	0.324	-0.6	136	-0.04	6.26
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	25.000	28.109	-12.4	163	-0.06	6.40
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.439	0.433	1.4	131	-0.05	6.40
33	t	2,4-Dichlorophenol	0.332	0.344	-3.6	135	-0.05	6.53
34		2,6-Dichlorophenol	0.330	0.338	-2.4	137	-0.05	6.88
35	t	1,3,5-Trichlorobenzene	0.390	0.387	0.8	136	-0.05	6.20
36	t	1,2,4-Trichlorobenzene	0.377	0.373	1.1	136	-0.05	6.66
37	t	1,2,3-Trichlorobenzene	0.368	0.365	0.8	135	-0.05	7.03

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1904-CC1890
Lab FileID: Z51910.D

38	t	Naphthalene	1.150	1.165	-1.3	134	-0.05	6.75
39	t	4-Chloroaniline	0.463	0.464	-0.2	134	-0.05	6.87
40	t	2,3-Dichloroaniline	0.390	0.393	-0.8	133	-0.05	8.31
		----------	True	Calc.	% Drift	----------		
41	t	Caprolactam	25.000	23.756	5.0	134	-0.07	7.33
		----------	AvgRF	CCRF	% Dev	----------		
42	t	Hexachlorobutadiene	0.191	0.189	1.0	136	-0.05	7.04
43	t	4-Chloro-3-methylphenol	0.318	0.330	-3.8	134	-0.05	7.64
44	t	2-Methylnaphthalene	0.818	0.807	1.3	131	-0.05	7.81
45	t	1-Methylnaphthalene	0.800	0.789	1.4	133	-0.05	7.98
46	t	Dimethylnaphthalene	0.695	0.681	2.0	132	-0.05	8.80
47	I	Acenaphthene-d10	1.000	1.000	0.0	134	-0.05	9.48
48	t	Hexachlorocyclopentadiene	0.299	0.291	2.7	128	-0.05	8.18
49	t	2,4,6-Trichlorophenol	0.373	0.390	-4.6	137	-0.05	8.31
50	t	2,4,5-Trichlorophenol	0.390	0.410	-5.1	134	-0.05	8.36
51	S	2-Fluorobiphenyl	1.473	1.456	1.2	133	-0.05	8.43
52	t	2-Chloronaphthalene	1.199	1.177	1.8	132	-0.05	8.57
53	t	Biphenyl	1.606	1.584	1.4	132	-0.05	8.56
54	t	2-Nitroaniline	0.300	0.324	-8.0	131	-0.05	8.79
55	t	Dimethylphthalate	1.314	1.366	-4.0	136	-0.05	9.15
56	t	Acenaphthylene	1.865	1.926	-3.3	133	-0.05	9.23
57	t	2,6-Dinitrotoluene	0.266	0.298	-12.0	142	-0.05	9.24
58	t	3-Nitroaniline	0.327	0.353	-8.0	143	-0.05	9.46
59	t	Acenaphthene	1.214	1.206	0.7	131	-0.05	9.53
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	50.436	-0.9	149	-0.05	9.62
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.163	-5.2	146	-0.05	9.76
62	t	Dibenzofuran	1.685	1.681	0.2	132	-0.05	9.78
63	t	2,4-Dinitrotoluene	0.366	0.405	-10.7	140	-0.05	9.86
64		2,3,4,6-Tetrachlorophenol	0.311	0.332	-6.8	137	-0.05	10.06
65	t	Diethylphthalate	1.307	1.305	0.2	133	-0.06	10.29
66	t	Fluorene	1.390	1.371	1.4	131	-0.05	10.33
67	t	4-Chlorophenyl-phenylethe	0.639	0.612	4.2	132	-0.05	10.35
68	t	4-Nitroaniline	0.323	0.333	-3.1	135	-0.05	10.44
69	I	Phenanthrene-d10	1.000	1.000	0.0	131	-0.05	11.80
70	t	4,6-Dinitro-2-methylpheno	0.153	0.150	2.0	140	-0.05	10.50
71	t	n-Nitrosodiphenylamine	0.587	0.604	-2.9	134	-0.05	10.56
72	t	1,2-Diphenylhydrazine	0.769	0.767	0.3	126	-0.05	10.60
73	S	2,4,6-Tribromophenol	0.111	0.118	-6.3	136	-0.05	10.75
74	t	4-Bromophenyl-phenylether	0.233	0.236	-1.3	133	-0.05	11.12
75	t	Hexachlorobenzene	0.266	0.254	4.5	129	-0.05	11.34
76	t	Pentachlorophenol	0.142	0.162	-14.1	148	-0.05	11.63
77	t	Phenanthrene	1.178	1.162	1.4	130	-0.05	11.83
78	t	Anthracene	1.116	1.154	-3.4	137	-0.05	11.90
79	t	Carbazole	1.122	1.132	-0.9	131	-0.05	12.16
80	t	Di-n-butylphthalate	1.272	1.374	-8.0	137	-0.05	12.79
81	t	Fluoranthene	1.294	1.290	0.3	132	-0.05	13.54
82	t	Octadecane	0.469	0.451	3.8	123	-0.05	11.71
83	I	Chrysene-d12	1.000	1.000	0.0	136	-0.05	15.42
84	t	Pyrene	1.408	1.379	2.1	133	-0.05	13.83
85		Butyl stearate	0.389	0.362	6.9	135	-0.04	14.82
86	S	Terphenyl-d14	1.010	0.955	5.4	131	-0.05	14.08

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1904-CC1890
Lab FileID: Z51910.D

87	t	Butylbenzylphthalate	0.544	0.614	-12.9	149	-0.05	14.77
88	t	Benzo[a]anthracene	1.171	1.137	2.9	133	-0.05	15.40
89	t	3,3'-Dichlorobenzidine	0.396	0.437	-10.4	143	-0.05	15.39
90	t	Chrysene	1.131	1.105	2.3	135	-0.05	15.45
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	25.000	25.687	-2.7	135	-0.05	15.53
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	136	-0.06	17.12
93	t	Di-n-octylphthalate	1.201	1.431	-19.2	151	-0.05	16.25
94	t	Benzo[b]fluoranthene	1.199	1.129	5.8	114	-0.05	16.67
95	t	Benzo[k]fluoranthene	1.298	1.352	-4.2	153	-0.05	16.70
96	t	Benzo[a]pyrene	1.072	1.087	-1.4	132	-0.06	17.05
97	t	Indeno[1,2,3-cd]pyrene	1.306	1.311	-0.4	128	-0.09	18.56
98	t	Dibenz(a,h)acridine	0.940	0.948	-0.9	130	-0.07	18.22
99	t	Dibenz[a,h]anthracene	1.089	1.098	-0.8	127	-0.09	18.58
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	25.000	22.766	8.9	133	-0.05	16.69
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.167	1.165	0.2	130	-0.09	18.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z51599.D MZ1890.M Mon Nov 09 10:30:54 2009 RPT1

6.7.23

6

Continuing Calibration Summary

Job Number: JA31420 **Sample:** EZ1904-CC1891
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** Z51911.D
Project: Hess-Port Reading, NJ

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1904\Z51911.D          Vial: 3
Acq On    :  9 Nov 2009   9:14 am                  Operator: vanessan
Sample    : cc1891-25                              Inst    : MSZ
Misc      : op40728,EZ1904,35.1,,,1,1              Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	141	-0.04	4.92
103	Benzaldehyde	1.024	1.132	-10.5	146	-0.05	4.39
104	Phenanthrene-d10a	1.000	1.000	0.0	134	-0.05	11.80
105	Atrazine	0.103	0.122	-18.4	151	-0.05	11.48
106	Methyl Parathion	0.145	0.233	-60.7#	203	-0.05	12.46
107	Parathion	0.111	0.145	-30.6#	176	-0.05	13.03
108	Chrysene-d12a	1.000	1.000	0.0	134	-0.05	15.42
109	Benzidine	0.568	0.539	5.1	123	-0.05	13.74
110	Acenaphthene-d10a	1.000	1.000	0.0	139	-0.05	9.48
111	1,2,4,5-Tetrachlorobenzen	0.596	0.609	-2.2	143	-0.05	8.14

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 Z51599.D   MZ1890.M         Mon Nov 09 10:30:08 2009   RPT1
```

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1905-CC1890
Lab FileID: Z51935.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EZ1905\Z51935.D Vial: 2
Acq On : 10 Nov 2009 8:38 am Operator: vanessan
Sample : cc1890-50 Inst : MSZ
Misc : op40729,EZ1905,35.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	138	-0.05	4.91
2		1,4-Dioxane	0.571	0.584	-2.3	141	-0.04	2.18
3	t	Pyridine	1.484	1.439	3.0	138	-0.04	2.42
4	t	N-Nitrosodimethylamine	0.893	0.893	0.0	136	-0.04	2.39
5	S	2-Fluorophenol	1.366	1.407	-3.0	139	-0.04	3.48
6	t	Indene	2.091	2.083	0.4	135	-0.05	5.28
7	t	Cumene	2.841	2.777	2.3	133	-0.05	4.01
8	S	Phenol-d5	1.765	1.779	-0.8	134	-0.05	4.49
9	t	Phenol	1.762	1.737	1.4	131	-0.05	4.51
10	t	Aniline	1.743	1.510	13.4	132	-0.05	4.55
11	t	bis(2-Chloroethyl)ether	1.318	1.287	2.4	135	-0.05	4.61
12	t	2-Chlorophenol	1.433	1.422	0.8	136	-0.05	4.69
13	t	Decane	1.434	1.263	11.9	121	-0.04	4.73
14	t	1,3-Dichlorobenzene	1.650	1.624	1.6	136	-0.05	4.87
15	t	1,4-Dichlorobenzene	1.562	1.563	-0.1	135	-0.05	4.93
16	t	Benzyl alcohol	0.895	0.915	-2.2	136	-0.05	5.11
17	t	1,2-Dichlorobenzene	1.522	1.477	3.0	137	-0.05	5.18
18	t	Acetophenone	1.837	1.850	-0.7	135	-0.05	5.48
19	t	2-Methylphenol	1.220	1.255	-2.9	135	-0.05	5.29
20	t	2,2'-oxybis(1-Chloropropa	0.474	0.462	2.5	137	-0.05	5.33
21	t	3&4-Methylphenol	1.321	1.399	-5.9	134	-0.05	5.49
22	t	n-Nitroso-di-n-propylamin	0.910	0.859	5.6	127	-0.05	5.51
23	t	Hexachloroethane	0.542	0.542	0.0	140	-0.05	5.60
24	I	Naphthalene-d8	1.000	1.000	0.0	131	-0.05	6.71
25	S	Nitrobenzene-d5	0.415	0.406	2.2	133	-0.05	5.70
26	t	Nitrobenzene	0.202	0.202	0.0	135	-0.05	5.72
27	t	Quinoline	0.725	0.731	-0.8	134	-0.06	7.26
28	t	Isophorone	0.679	0.683	-0.6	132	-0.05	6.05
29	t	2-Nitrophenol	0.212	0.229	-8.0	141	-0.05	6.18
30	t	2,4-Dimethylphenol	0.322	0.342	-6.2	132	-0.05	6.25
		----------	True	Calc.	% Drift	----------		
31		Benzoic Acid	50.000	51.471	-2.9	154	-0.05	6.41
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.439	0.425	3.2	132	-0.05	6.39
33	t	2,4-Dichlorophenol	0.332	0.338	-1.8	133	-0.05	6.52
34		2,6-Dichlorophenol	0.330	0.327	0.9	131	-0.05	6.88
35	t	1,3,5-Trichlorobenzene	0.390	0.370	5.1	135	-0.05	6.19
36	t	1,2,4-Trichlorobenzene	0.377	0.357	5.3	133	-0.05	6.65
37	t	1,2,3-Trichlorobenzene	0.368	0.354	3.8	134	-0.05	7.02

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1905-CC1890
Lab FileID: Z51935.D

38	t	Naphthalene	1.150	1.114	3.1	130	-0.05	6.74
39	t	4-Chloroaniline	0.463	0.447	3.5	132	-0.05	6.87
40	t	2,3-Dichloroaniline	0.390	0.380	2.6	132	-0.06	8.30
		----------	True	Calc.	% Drift	----------		
41	t	Caprolactam	50.000	46.995	6.0	132	-0.07	7.34
		----------	AvgRF	CCRF	% Dev	----------		
42	t	Hexachlorobutadiene	0.191	0.181	5.2	135	-0.05	7.03
43	t	4-Chloro-3-methylphenol	0.318	0.330	-3.8	130	-0.05	7.64
44	t	2-Methylnaphthalene	0.818	0.786	3.9	130	-0.06	7.80
45	t	1-Methylnaphthalene	0.800	0.761	4.9	132	-0.05	7.97
46	t	Dimethylnaphthalene	0.695	0.660	5.0	128	-0.05	8.79
47	I	Acenaphthene-d10	1.000	1.000	0.0	135	-0.06	9.47
48	t	Hexachlorocyclopentadiene	0.299	0.292	2.3	127	-0.05	8.17
49	t	2,4,6-Trichlorophenol	0.373	0.387	-3.8	133	-0.05	8.30
50	t	2,4,5-Trichlorophenol	0.390	0.400	-2.6	131	-0.05	8.36
51	S	2-Fluorobiphenyl	1.473	1.393	5.4	129	-0.06	8.42
52	t	2-Chloronaphthalene	1.199	1.144	4.6	132	-0.06	8.56
53	t	Biphenyl	1.606	1.523	5.2	130	-0.06	8.55
54	t	2-Nitroaniline	0.300	0.315	-5.0	128	-0.05	8.79
55	t	Dimethylphthalate	1.314	1.314	0.0	131	-0.05	9.15
56	t	Acenaphthylene	1.865	1.849	0.9	129	-0.06	9.22
57	t	2,6-Dinitrotoluene	0.266	0.294	-10.5	139	-0.06	9.24
58	t	3-Nitroaniline	0.327	0.352	-7.6	142	-0.06	9.45
59	t	Acenaphthene	1.214	1.176	3.1	130	-0.06	9.52
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	95.164	4.8	142	-0.05	9.61
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.155	0.163	-5.2	135	-0.05	9.76
62	t	Dibenzofuran	1.685	1.602	4.9	130	-0.06	9.78
63	t	2,4-Dinitrotoluene	0.366	0.413	-12.8	140	-0.06	9.86
64		2,3,4,6-Tetrachlorophenol	0.311	0.326	-4.8	133	-0.06	10.06
65	t	Diethylphthalate	1.307	1.284	1.8	129	-0.06	10.29
66	t	Fluorene	1.390	1.318	5.2	129	-0.06	10.33
67	t	4-Chlorophenyl-phenylethe	0.639	0.594	7.0	130	-0.05	10.35
68	t	4-Nitroaniline	0.323	0.339	-5.0	137	-0.06	10.43
69	I	Phenanthrene-d10	1.000	1.000	0.0	132	-0.05	11.79
70	t	4,6-Dinitro-2-methylpheno	0.153	0.155	-1.3	141	-0.05	10.50
71	t	n-Nitrosodiphenylamine	0.587	0.573	2.4	130	-0.06	10.55
72	t	1,2-Diphenylhydrazine	0.769	0.736	4.3	126	-0.06	10.60
73	S	2,4,6-Tribromophenol	0.111	0.115	-3.6	134	-0.06	10.74
74	t	4-Bromophenyl-phenylether	0.233	0.222	4.7	129	-0.06	11.12
75	t	Hexachlorobenzene	0.266	0.244	8.3	128	-0.06	11.33
76	t	Pentachlorophenol	0.142	0.156	-9.9	136	-0.06	11.62
77	t	Phenanthrene	1.178	1.112	5.6	130	-0.06	11.82
78	t	Anthracene	1.116	1.106	0.9	136	-0.05	11.89
79	t	Carbazole	1.122	1.077	4.0	130	-0.05	12.15
80	t	Di-n-butylphthalate	1.272	1.315	-3.4	135	-0.05	12.78
81	t	Fluoranthene	1.294	1.227	5.2	130	-0.05	13.53
82	t	Octadecane	0.469	0.438	6.6	122	-0.05	11.71
83	I	Chrysene-d12	1.000	1.000	0.0	133	-0.05	15.41
84	t	Pyrene	1.408	1.341	4.8	132	-0.06	13.83
85		Butyl stearate	0.389	0.340	12.6	120	-0.05	14.81
86	S	Terphenyl-d14	1.010	0.919	9.0	127	-0.05	14.07

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1905-CC1890
Lab FileID: Z51935.D

87	t	Butylbenzylphthalate	0.544	0.610	-12.1	143	-0.05	14.77
88	t	Benzo[a]anthracene	1.171	1.071	8.5	126	-0.05	15.39
89	t	3,3'-Dichlorobenzidine	0.396	0.417	-5.3	132	-0.05	15.39
90	t	Chrysene	1.131	1.070	5.4	129	-0.06	15.44
		----------	True	Calc.	% Drift	----------		
91	t	bis(2-Ethylhexyl)phthalat	50.000	51.884	-3.8	130	-0.05	15.53
		----------	AvgRF	CCRF	% Dev	----------		
92	I	Perylene-d12	1.000	1.000	0.0	132	-0.07	17.11
93	t	Di-n-octylphthalate	1.201	1.366	-13.7	136	-0.05	16.24
94	t	Benzo[b]fluoranthene	1.199	1.106	7.8	121	-0.06	16.67
95	t	Benzo[k]fluoranthene	1.298	1.245	4.1	128	-0.06	16.70
96	t	Benzo[a]pyrene	1.072	1.015	5.3	120	-0.06	17.04
97	t	Indeno[1,2,3-cd]pyrene	1.306	1.300	0.5	124	-0.10	18.55
98	t	Dibenz(a,h)acridine	0.940	0.886	5.7	117	-0.08	18.21
99	t	Dibenz[a,h]anthracene	1.089	1.048	3.8	118	-0.10	18.56
		----------	True	Calc.	% Drift	----------		
100	t	7,12-Dimethylbenz(a)anthr	50.000	47.536	4.9	127	-0.06	16.69
		----------	AvgRF	CCRF	% Dev	----------		
101	t	Benzo[g,h,i]perylene	1.167	1.119	4.1	123	-0.10	18.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z51597.D MZ1890.M Tue Nov 10 10:18:21 2009 RPT1

6.7.25

6

Continuing Calibration Summary

Job Number: JA31420 **Sample:** EZ1905-CC1891
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** Z51936.D
Project: Hess-Port Reading, NJ

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1905\Z51936.D          Vial: 3
Acq On    : 10 Nov 2009   9:08 am                  Operator: vanessan
Sample    : cc1891-50                              Inst    : MSZ
Misc      : op40729,EZ1905,35.0,,,1,1              Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1890.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Thu Oct 29 09:32:02 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	153	-0.05	4.91
103	Benzaldehyde	1.024	1.071	-4.6	156	-0.06	4.38
104	Phenanthrene-d10a	1.000	1.000	0.0	154	-0.06	11.79
105	Atrazine	0.103	0.120	-16.5	161	-0.06	11.47
106	Methyl Parathion	0.145	0.206	-42.1#	218	-0.06	12.45
107	Parathion	0.111	0.146	-31.5#	190	-0.06	13.02
108	Chrysene-d12a	1.000	1.000	0.0	153	-0.06	15.41
109	Benzidine	0.568	0.477	16.0	120	-0.06	13.73
110	Acenaphthene-d10a	1.000	1.000	0.0	155	-0.06	9.47
111	1,2,4,5-Tetrachlorobenzen	0.596	0.578	3.0	158	-0.06	8.13

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 Z51597.D   MZ1890.M         Tue Nov 10 10:20:34 2009   RPT1
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICC1910
Lab FileID: Z52091.D

Response Factor Report MSZ

Method : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Mon Nov 16 16:13:32 2009
Response via : Initial Calibration

Calibration Files
100 =Z52089.D 80 =Z52094.D 50 =Z52091.D 25 =Z52093.D
10 =Z52090.D 5 =Z52092.D 2 =Z52095.D 1 =Z52096.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------									
2) 1,4-Dioxane	0.548	0.572	0.640	0.550	0.581	0.563	0.554	0.519	0.566	6.23
3) Pyridine	1.426	1.476	1.651	1.477	1.620	1.506	1.571	1.529	1.532	5.03
4) N-Nitrosodim	0.907	0.963	1.036	0.935	0.996	0.919	0.814	0.831	0.925	8.23
5) 2-Fluorophen	1.313	1.380	1.480	1.367	1.441	1.267	1.202	1.275	1.340	6.98
6) Indene	1.868	1.897	2.055	1.999	2.115	2.012	1.922	1.976	1.980	4.19
7) Cumene	2.587	2.649	3.022	2.877	3.075	2.827	2.733	2.824	2.824	5.99
8) Phenol-d5	1.696	1.774	1.910	1.803	1.867	1.714	1.634	1.599	1.750	6.22
9) Phenol	1.807	1.869	2.108	2.039	2.181	1.964	1.808	1.930	1.963	7.01
10) Aniline	1.695	1.784	2.263	2.210	2.262	2.182	2.030	2.204	2.079	10.72
11) bis(2-Chloro	1.276	1.284	1.386	1.372	1.487	1.338	1.275	1.338	1.345	5.32
12) 2-Chlorophen	1.262	1.295	1.430	1.411	1.509	1.396	1.358	1.385	1.381	5.60
13) Decane	0.866	0.910	1.074	1.075	1.197	1.103	1.095	1.223	1.068	11.67
14) 1,3-Dichloro	1.468	1.536	1.666	1.626	1.700	1.587	1.590	1.643	1.602	4.63
15) 1,4-Dichloro	1.442	1.468	1.594	1.559	1.661	1.567	1.471	1.534	1.537	4.81
16) Benzyl alcoh	0.975	0.989	1.046	0.979	0.999	0.785	0.687		0.923	14.39
17) 1,2-Dichloro	1.325	1.355	1.498	1.516	1.582	1.500	1.468	1.505	1.469	5.85
18) Acetophenone	1.785	1.749	1.929	1.891	1.986	1.801	1.737	1.672	1.819	5.86
19) 2-Methylphen	1.183	1.185	1.307	1.307	1.341	1.203	1.182	1.142	1.231	6.08
20) 2,2'-oxybis(	0.451	0.439	0.466	0.466	0.501	0.473	0.464	0.481	0.468	3.99
21) 3&4-Methylph	1.286	1.290	1.391	1.378	1.429	1.359	1.252	1.260	1.331	5.02
22) n-Nitroso-di	0.910	0.854	0.956	0.937	1.022	0.937	0.898	0.942	0.932	5.19
23) Hexachloroet	0.583	0.565	0.597	0.574	0.590	0.578	0.568	0.582	0.580	1.83
24) I Naphthalene-d8	----------ISTD----------									
25) Nitrobenzene	0.441	0.411	0.453	0.443	0.479	0.425	0.396	0.409	0.432	6.26
26) Nitrobenzene	0.197	0.196	0.210	0.207	0.212	0.197	0.188	0.172	0.198	6.58
27) Quinoline	0.683	0.678	0.720	0.716	0.712	0.678	0.648	0.678	0.689	3.59
28) Isophorone	0.734	0.718	0.797	0.781	0.835	0.746	0.720	0.757	0.761	5.36
29) 2-Nitropheno	0.229	0.229	0.241	0.234	0.240	0.214	0.194	0.203	0.223	7.82
30) 2,4-Dimethyl	0.389	0.359	0.409	0.399	0.390	0.358	0.325	0.313	0.368	9.49
31) Benzoic Acid	0.313	0.291	0.315	0.273	0.251				0.289	9.32
32) bis(2-Chloro	0.440	0.435	0.466	0.465	0.481	0.433	0.429	0.429	0.447	4.51
33) 2,4-Dichloro	0.338	0.338	0.359	0.357	0.363	0.326	0.299	0.300	0.335	7.50
34) 2,6-Dichloro	0.330	0.325	0.348	0.342	0.347	0.326	0.329	0.338	0.336	2.76
35) 1,3,5-Trichl	0.351	0.356	0.384	0.394	0.402	0.385	0.392	0.404	0.383	5.15
36) 1,2,4-Trichl	0.356	0.360	0.386	0.384	0.396	0.374	0.369	0.392	0.377	3.95
37) 1,2,3-Trichl	0.333	0.340	0.359	0.368	0.370	0.353	0.353	0.359	0.354	3.56
38) Naphthalene	0.969	0.994	1.122	1.138	1.171	1.100	1.059	1.132	1.086	6.63
39) 4-Chloroanil	0.443	0.447	0.501	0.501	0.505	0.471	0.435	0.402	0.463	8.10
40) 2,3-Dichloro	0.374	0.373	0.396	0.402	0.399	0.380	0.379	0.374	0.385	3.17
41) Caprolactam	0.154	0.147	0.157	0.145	0.160	0.142	0.133	0.130	0.146	7.36
42) Hexachlorobu	0.226	0.206	0.218	0.220	0.228	0.215	0.204	0.220	0.217	3.99
43) 4-Chloro-3-m	0.367	0.343	0.362	0.353	0.361	0.324	0.289	0.275	0.334	10.52
44) 2-Methylnaph	0.731	0.743	0.813	0.825	0.833	0.795	0.766	0.745	0.781	5.14
45) 1-Methylnaph	0.687	0.696	0.754	0.761	0.771	0.741	0.737	0.720	0.733	4.11

Initial Calibration Summary

Job Number: JA31420 **Sample:** EZ1910-ICC1910
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** Z52091.D
Project: Hess-Port Reading, NJ

```
46) Dimethylnaph 0.625 0.613 0.660 0.664 0.658 0.637 0.606 0.645 0.638   3.43

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.314 0.321 0.341 0.324 0.303 0.261 0.215       0.297  14.84
49) 2,4,6-Trichl 0.384 0.389 0.416 0.410 0.414 0.393 0.357 0.373 0.392   5.33
50) 2,4,5-Trichl 0.408 0.417 0.439 0.434 0.419 0.382 0.353 0.367 0.402   7.84
51) 2-Fluorobiph 1.196 1.257 1.397 1.413 1.428 1.410 1.388 1.461 1.369   6.71
52) 2-Chloronaph 1.027 1.048 1.162 1.175 1.133 1.171 1.146 1.227 1.136   5.89
53) Biphenyl     1.207 1.284 1.448 1.465 1.393 1.466 1.371 1.526 1.395   7.59
54) 2-Nitroanili 0.321 0.300 0.353 0.339 0.375 0.327 0.290 0.235 0.317  13.64
55) Dimethylphth 1.239 1.252 1.395 1.391 1.355 1.338 1.314 1.343 1.328   4.36
56) Acenaphthyle 1.559 1.650 1.892 1.914 1.943 1.887 1.796 1.845 1.811   7.56
57) 2,6-Dinitrot 0.295 0.285 0.310 0.304 0.309 0.285 0.245 0.244 0.285   9.32
58) 3-Nitroanili 0.344 0.352 0.372 0.361 0.358 0.337 0.297 0.257 0.335  11.59
59) Acenaphthene 1.001 1.035 1.148 1.151 1.134 1.113 1.072 1.128 1.098   5.08
60) 2,4-Dinitrop 0.183 0.188 0.184 0.147 0.109                   0.162  20.89
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.04352 + 0.19489 *A

61) 4-Nitropheno 0.195 0.163 0.176 0.160 0.163                   0.171   8.64
62) Dibenzofuran 1.448 1.512 1.700 1.716 1.621 1.673 1.646 1.707 1.628   6.03
63) 2,4-Dinitrot 0.418 0.411 0.433 0.423 0.396 0.383 0.338 0.282 0.385  13.31
64) 2,3,4,6-Tetr 0.358 0.364 0.374 0.367 0.315 0.323 0.311 0.290 0.338   9.40
65) Diethylphtha 1.177 1.194 1.327 1.317 1.274 1.297 1.236 1.312 1.267   4.58
66) Fluorene     1.173 1.221 1.351 1.364 1.307 1.389 1.351 1.394 1.319   6.13
67) 4-Chlorophen 0.591 0.584 0.632 0.637 0.623 0.661 0.638 0.669 0.629   4.79
68) 4-Nitroanili 0.345 0.350 0.358 0.348 0.302 0.291 0.234       0.318  14.21

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro- 0.164 0.169 0.172 0.161 0.127                   0.159  11.37
71) n-Nitrosodip 0.531 0.560 0.613 0.631 0.578 0.619 0.589 0.620 0.593   5.87
72) 1,2-Diphenyl 0.675 0.675 0.784 0.778 0.793 0.752 0.774 0.726 0.745   6.40
73) 2,4,6-Tribro 0.116 0.124 0.125 0.125 0.103 0.109 0.102 0.107 0.114   8.86
74) 4-Bromopheny 0.228 0.242 0.253 0.261 0.222 0.234 0.249 0.260 0.244   5.93
75) Hexachlorobe 0.246 0.260 0.272 0.281 0.250 0.271 0.281 0.298 0.270   6.39
76) Pentachlorop 0.167 0.170 0.176 0.166 0.154 0.135 0.115       0.155  14.46
77) Phenanthrene 0.957 0.993 1.128 1.152 1.214 1.127 1.167 1.260 1.125   9.17
78) Anthracene   0.968 0.988 1.143 1.165 1.197 1.128 1.118 1.180 1.111   7.77
79) Carbazole    0.951 0.992 1.133 1.147 1.215 1.125 1.178 1.199 1.117   8.58
80) Di-n-butylph 1.199 1.193 1.418 1.410 1.512 1.368 1.364 1.412 1.360   8.14
81) Fluoranthene 1.225 1.173 1.370 1.379 1.489 1.384 1.476 1.560 1.382   9.49
82) Octadecane   0.361 0.365 0.429 0.429 0.462 0.421 0.410 0.431 0.414   8.39

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       0.969 1.124 1.206 1.297 1.382 1.325 1.390 1.565 1.282  14.22
85) Butyl steara 0.242 0.249 0.280 0.285 0.323 0.316 0.313 0.340 0.293  12.01
86) Terphenyl-d1 0.744 0.855 0.893 0.938 1.015 1.015             0.910  11.40
87) Butylbenzylp 0.507 0.548 0.578 0.586 0.613 0.571 0.562 0.636 0.575   6.84
88) Benzo[a]anth 0.911 1.040 1.123 1.154 1.266 1.207 1.298 1.458 1.182  14.12
89) 3,3'-Dichlor 0.428 0.457 0.459 0.461 0.487 0.457 0.450 0.444 0.455   3.66
90) Chrysene     0.873 0.965 1.048 1.065 1.140 1.084 1.150 1.277 1.075  11.36
91) bis(2-Ethylh 0.653 0.693 0.750 0.754 0.816 0.765 0.722 0.825 0.747   7.75

92) I   Perylene-d12          ----------------ISTD---------------------
93) Di-n-octylph 1.057 1.229 1.360 1.387 1.468 1.339 1.185 1.172 1.275  10.67
94) Benzo[b]fluo 1.099 1.177 1.258 1.255 1.424 1.182 1.134 1.395 1.240   9.48
95) Benzo[k]fluo       1.000 1.035 1.129 1.170 1.295 1.351 1.329 1.187  11.94
96) Benzo[a]pyre 0.951 1.044 1.107 1.115 1.185 1.130 1.107 1.229 1.108   7.60
97) Indeno[1,2,3 1.176 1.254 1.279 1.279 1.346 1.256 1.179 1.290 1.257   4.54
98) Dibenz(a,h)a 0.913 0.965 0.980 0.973 1.027 0.955 0.878 0.906 0.950   5.02
```

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICC1910
Lab FileID: Z52091.D

```
 99) Dibenz[a,h]a 1.005 1.058 1.089 1.083 1.146 1.039 1.040 0.983 1.055   4.87
100) 7,12-Dimethy 0.518 0.522 0.535 0.540 0.520 0.497 0.483 0.550 0.521   4.25
101) Benzo[g,h,i] 1.027 1.085 1.112 1.112 1.174 1.100 1.090 1.088 1.099   3.71

 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ1910.M          Mon Nov 16 16:28:05 2009   RPT1
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICV1910
Lab FileID: Z52099.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EZ1910\Z52099.D Vial: 12
Acq On : 16 Nov 2009 4:34 pm Operator: vanessan
Sample : icv1910-50 Inst : MSZ
Misc : op40916,EZ1910,35.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Mon Nov 16 16:13:32 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	159	0.00	4.89
2		1,4-Dioxane	0.566	0.567	-0.2	141	0.01	2.18
3	t	Pyridine	1.532	1.470	4.0	141	0.00	2.41
4	t	N-Nitrosodimethylamine	0.925	0.895	3.2	137	0.00	2.38
6	t	Indene	1.980	2.091	-5.6	162	0.00	5.26
7	t	Cumene	2.824	2.611	7.5	137	0.00	3.99
11	t	bis(2-Chloroethyl)ether	1.345	1.301	3.3	149	0.00	4.59
13	t	Decane	1.068	1.004	6.0	149	0.00	4.70
14	t	1,3-Dichlorobenzene	1.602	1.561	2.6	149	0.00	4.85
15	t	1,4-Dichlorobenzene	1.537	1.485	3.4	148	0.00	4.92
16	t	Benzyl alcohol	0.923	0.856	7.3	130	0.00	5.10
17	t	1,2-Dichlorobenzene	1.469	1.439	2.0	153	0.00	5.16
18	t	Acetophenone	1.819	1.739	4.4	143	0.00	5.46
20	t	2,2'-oxybis(1-Chloropropa	0.468	0.430	8.1	146	0.00	5.31
22	t	n-Nitroso-di-n-propylamin	0.932	0.817	12.3	136	0.00	5.49
23	t	Hexachloroethane	0.580	0.558	3.8	149	0.00	5.58
24	I	Naphthalene-d8	1.000	1.000	0.0	148	0.00	6.69
26	t	Nitrobenzene	0.198	0.202	-2.0	142	0.00	5.70
27	t	Quinoline	0.689	0.712	-3.3	146	-0.01	7.23
28	t	Isophorone	0.761	0.671	11.8	124	0.00	6.03
32	t	bis(2-Chloroethoxy)methan	0.447	0.459	-2.7	145	0.00	6.37
36	t	1,2,4-Trichlorobenzene	0.377	0.393	-4.2	150	0.00	6.64
38	t	Naphthalene	1.086	1.022	5.9	134	0.00	6.72
40	t	2,3-Dichloroaniline	0.385	0.360	6.5	134	0.00	8.29
41	t	Caprolactam	0.146	0.124	15.1	116	-0.03	7.30
42	t	Hexachlorobutadiene	0.217	0.232	-6.9	157	0.00	7.01
44	t	2-Methylnaphthalene	0.781	0.760	2.7	138	0.00	7.79
45	t	1-Methylnaphthalene	0.733	0.700	4.5	137	0.00	7.95
46	t	Dimethylnaphthalene	0.638	0.613	3.9	137	0.00	8.77
47	I	Acenaphthene-d10	1.000	1.000	0.0	138	0.00	9.45
48	t	Hexachlorocyclopentadiene	0.297	0.300	-1.0	121	0.00	8.15
52	t	2-Chloronaphthalene	1.136	1.134	0.2	134	0.00	8.54
53	t	Biphenyl	1.395	1.443	-3.4	137	0.00	8.54
54	t	2-Nitroaniline	0.317	0.297	6.3	116	0.00	8.77
55	t	Dimethylphthalate	1.328	1.282	3.5	126	0.00	9.13
56	t	Acenaphthylene	1.811	1.606	11.3	117	0.00	9.21
57	t	2,6-Dinitrotoluene	0.285	0.284	0.4	126	0.00	9.22
58	t	3-Nitroaniline	0.335	0.299	10.7	111	0.00	9.44
59	t	Acenaphthene	1.098	1.073	2.3	129	0.00	9.50
62	t	Dibenzofuran	1.628	1.634	-0.4	132	0.00	9.76

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICV1910
Lab FileID: Z52099.D

63	t	2,4-Dinitrotoluene	0.385	0.377	2.1	120	0.00	9.85
65	t	Diethylphthalate	1.267	1.198	5.4	124	0.00	10.26
66	t	Fluorene	1.319	1.282	2.8	131	0.00	10.31
67	t	4-Chlorophenyl-phenylethe	0.629	0.602	4.3	131	0.00	10.33
68	t	4-Nitroaniline	0.318	0.314	1.3	121	0.00	10.42
69	I	Phenanthrene-d10	1.000	1.000	0.0	130	0.00	11.78
71	t	n-Nitrosodiphenylamine	0.593	0.603	-1.7	128	0.00	10.53
72	t	1,2-Diphenylhydrazine	0.745	0.720	3.4	119	0.00	10.58
74	t	4-Bromophenyl-phenylether	0.244	0.261	-7.0	134	0.00	11.10
75	t	Hexachlorobenzene	0.270	0.275	-1.9	131	0.00	11.32
77	t	Phenanthrene	1.125	1.071	4.8	123	0.00	11.81
78	t	Anthracene	1.111	1.077	3.1	122	0.00	11.88
79	t	Carbazole	1.117	1.109	0.7	127	0.00	12.14
80	t	Di-n-butylphthalate	1.360	1.253	7.9	115	0.00	12.76
81	t	Fluoranthene	1.382	1.220	11.7	116	0.00	13.52
82	t	Octadecane	0.414	0.410	1.0	124	0.00	11.68
83	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	15.40
84	t	Pyrene	1.282	1.265	1.3	118	0.00	13.82
87	t	Butylbenzylphthalate	0.575	0.550	4.3	107	0.00	14.75
88	t	Benzo[a]anthracene	1.182	1.083	8.4	108	0.00	15.38
90	t	Chrysene	1.075	1.005	6.5	108	0.00	15.43
91	t	bis(2-Ethylhexyl)phthalat	0.747	0.713	4.6	107	0.00	15.50
92	I	Perylene-d12	1.000	1.000	0.0	105	0.00	17.10
93	t	Di-n-octylphthalate	1.275	1.341	-5.2	103	0.00	16.22
94	t	Benzo[b]fluoranthene	1.240	1.197	3.5	100	0.00	16.66
95	t	Benzo[k]fluoranthene	1.187	1.097	7.6	111	0.00	16.69
96	t	Benzo[a]pyrene	1.108	1.083	2.3	102	0.00	17.03
97	t	Indeno[1,2,3-cd]pyrene	1.257	1.294	-2.9	106	0.00	18.54
98	t	Dibenz(a,h)acridine	0.950	0.973	-2.4	104	0.00	18.20
99	t	Dibenz[a,h]anthracene	1.055	1.070	-1.4	103	0.00	18.55
100	t	7,12-Dimethylbenz(a)anthr	0.521	0.451	13.4	88	0.00	16.67
101	t	Benzo[g,h,i]perylene	1.099	1.103	-0.4	104	0.00	18.94
104		Phenanthrene-d10a	1.000	1.000	0.0	88	0.00	11.78
105		Atrazine	0.103	0.113	-9.7	86	-0.08	11.45
110		Acenaphthene-d10a	1.000	1.000	0.0	92	0.00	9.45
111		1,2,4,5-Tetrachlorobenzen	0.596	0.664	-11.4	108	-0.08	8.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z52091.D MZ1910.M Thu Nov 19 13:03:58 2009 RPT1

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICV1910
Lab FileID: Z52100.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1910\Z52100.D            Vial: 13
Acq On    : 16 Nov 2009   5:38 pm                     Operator: vanessan
Sample    : icv1910-50                                Inst    : MSZ
Misc      : op40916,EZ1910,35.0,,,1,1                 Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Mon Nov 16 16:13:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	174	0.00	4.89
10	t	Aniline	2.079	1.830	12.0	141	0.00	4.53
24	I	Naphthalene-d8	1.000	1.000	0.0	174	0.00	6.69
39	t	4-Chloroaniline	0.463	0.458	1.1	159	0.00	6.84
83	I	Chrysene-d12	1.000	1.000	0.0	157	0.00	15.40
89	t	3,3'-Dichlorobenzidine	0.455	0.466	-2.4	159	0.00	15.37
102		1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	113	0.00	4.89
103		Benzaldehyde	1.024	0.871	14.9	94	-0.07	4.37
108		Chrysene-d12a	1.000	1.000	0.0	128	0.00	15.40
109		Benzidine	0.568	0.605	-6.5	127	-0.07	13.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z52091.D MZ1910.M Thu Nov 19 13:05:59 2009 RPT1

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1910-ICV1910
Lab FileID: Z52101.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1910\Z52101.D            Vial: 14
Acq On    : 16 Nov 2009   6:08 pm                     Operator: vanessan
Sample    : icv1910-50                                Inst    : MSZ
Misc      : op40816,EZ1910,35.0,,,1,1                 Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Mon Nov 16 16:13:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	150	0.00	4.89
9	t	Phenol	1.963	1.782	9.2	127	0.00	4.50
12	t	2-Chlorophenol	1.381	1.431	-3.6	150	0.00	4.67
19	t	2-Methylphenol	1.231	1.251	-1.6	144	0.00	5.28
21	t	3&4-Methylphenol	1.331	1.272	4.4	137	0.00	5.48
24	I	Naphthalene-d8	1.000	1.000	0.0	143	0.00	6.69
29	t	2-Nitrophenol	0.223	0.243	-9.0	144	0.00	6.17
30	t	2,4-Dimethylphenol	0.368	0.359	2.4	125	0.00	6.24
31		Benzoic Acid	0.289	0.263	9.0	119	0.03	6.46
33	t	2,4-Dichlorophenol	0.335	0.335	0.0	133	0.00	6.51
34		2,6-Dichlorophenol	0.336	0.339	-0.9	139	0.00	6.86
43	t	4-Chloro-3-methylphenol	0.334	0.323	3.3	127	-0.01	7.62
47	I	Acenaphthene-d10	1.000	1.000	0.0	140	0.00	9.45
49	t	2,4,6-Trichlorophenol	0.392	0.413	-5.4	138	0.00	8.29
50	t	2,4,5-Trichlorophenol	0.402	0.422	-5.0	134	-0.01	8.35
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	99.868	0.1	122	0.00	9.60
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.171	0.146	14.6	115	0.00	9.77
64		2,3,4,6-Tetrachlorophenol	0.338	0.346	-2.4	129	0.00	10.04
69	I	Phenanthrene-d10	1.000	1.000	0.0	128	0.00	11.78
70	t	4,6-Dinitro-2-methylpheno	0.159	0.175	-10.1	130	0.00	10.49
76	t	Pentachlorophenol	0.155	0.186	-20.0	136	0.00	11.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z52091.D MZ1910.M Mon Nov 16 18:36:13 2009 RPT1

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1911-CC1910
Lab FileID: Z52103.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EZ1911\Z52103.D Vial: 2
Acq On : 16 Nov 2009 7:03 pm Operator: vanessan
Sample : cc1910-25 Inst : MSZ
Misc : op40916,EZ1911,35.0,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title : Semi Volatile GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update : Mon Nov 16 16:13:32 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 202%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	4.89
2		1,4-Dioxane	0.566	0.586	-3.5	104	0.00	2.17
3	t	Pyridine	1.532	1.480	3.4	98	0.00	2.41
4	t	N-Nitrosodimethylamine	0.925	0.944	-2.1	99	0.00	2.39
5	S	2-Fluorophenol	1.340	1.387	-3.5	99	0.00	3.47
6	t	Indene	1.980	2.016	-1.8	99	0.00	5.27
7	t	Cumene	2.824	2.890	-2.3	98	0.00	3.99
8	S	Phenol-d5	1.750	1.845	-5.4	100	0.00	4.49
9	t	Phenol	1.963	2.030	-3.4	97	0.00	4.50
10	t	Aniline	2.079	2.200	-5.8	97	0.00	4.53
11	t	bis(2-Chloroethyl)ether	1.345	1.353	-0.6	96	0.00	4.59
12	t	2-Chlorophenol	1.381	1.438	-4.1	100	0.00	4.68
13	t	Decane	1.068	1.047	2.0	95	0.00	4.71
14	t	1,3-Dichlorobenzene	1.602	1.650	-3.0	99	0.00	4.85
15	t	1,4-Dichlorobenzene	1.537	1.599	-4.0	100	0.00	4.92
16	t	Benzyl alcohol	0.923	0.898	2.7	90	0.00	5.10
17	t	1,2-Dichlorobenzene	1.469	1.532	-4.3	99	0.00	5.16
18	t	Acetophenone	1.819	1.849	-1.6	96	0.00	5.46
19	t	2-Methylphenol	1.231	1.306	-6.1	98	0.00	5.28
20	t	2,2'-oxybis(1-Chloropropa	0.468	0.462	1.3	97	0.00	5.31
21	t	3&4-Methylphenol	1.331	1.345	-1.1	96	0.00	5.48
22	t	n-Nitroso-di-n-propylamin	0.932	0.891	4.4	93	0.00	5.49
23	t	Hexachloroethane	0.580	0.592	-2.1	101	0.00	5.58
24	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00	6.70
25	S	Nitrobenzene-d5	0.432	0.415	3.9	93	0.00	5.67
26	t	Nitrobenzene	0.198	0.205	-3.5	99	0.00	5.70
27	t	Quinoline	0.689	0.709	-2.9	99	0.00	7.24
28	t	Isophorone	0.761	0.756	0.7	96	0.00	6.03
29	t	2-Nitrophenol	0.223	0.233	-4.5	99	0.00	6.17
30	t	2,4-Dimethylphenol	0.368	0.386	-4.9	96	0.00	6.24
31		Benzoic Acid	0.289	0.268	7.3	98	-0.03	6.40
32	t	bis(2-Chloroethoxy)methan	0.447	0.452	-1.1	97	0.00	6.37
33	t	2,4-Dichlorophenol	0.335	0.351	-4.8	98	0.00	6.52
34		2,6-Dichlorophenol	0.336	0.342	-1.8	100	0.00	6.86
35	t	1,3,5-Trichlorobenzene	0.383	0.394	-2.9	100	0.00	6.18
36	t	1,2,4-Trichlorobenzene	0.377	0.393	-4.2	102	0.00	6.64
37	t	1,2,3-Trichlorobenzene	0.354	0.367	-3.7	99	0.00	7.00
38	t	Naphthalene	1.086	1.138	-4.8	100	0.00	6.72
39	t	4-Chloroaniline	0.463	0.502	-8.4	100	0.00	6.85
40	t	2,3-Dichloroaniline	0.385	0.401	-4.2	99	0.00	8.29
41	t	Caprolactam	0.146	0.139	4.8	95	-0.02	7.31

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1911-CC1910
Lab FileID: Z52103.D

42	t	Hexachlorobutadiene	0.217	0.220	-1.4	99	0.00	7.01
43	t	4-Chloro-3-methylphenol	0.334	0.347	-3.9	98	0.00	7.63
44	t	2-Methylnaphthalene	0.781	0.830	-6.3	100	0.00	7.78
45	t	1-Methylnaphthalene	0.733	0.783	-6.8	103	0.00	7.95
46	t	Dimethylnaphthalene	0.638	0.670	-5.0	101	0.00	8.77
47	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00	9.45
48	t	Hexachlorocyclopentadiene	0.297	0.334	-12.5	102	0.00	8.15
49	t	2,4,6-Trichlorophenol	0.392	0.416	-6.1	101	0.00	8.29
50	t	2,4,5-Trichlorophenol	0.402	0.427	-6.2	98	0.00	8.36
51	S	2-Fluorobiphenyl	1.369	1.441	-5.3	102	0.00	8.40
52	t	2-Chloronaphthalene	1.136	1.186	-4.4	100	0.00	8.54
53	t	Biphenyl	1.395	1.488	-6.7	101	0.00	8.53
54	t	2-Nitroaniline	0.317	0.317	0.0	93	0.00	8.77
55	t	Dimethylphthalate	1.328	1.393	-4.9	100	0.00	9.13
56	t	Acenaphthylene	1.811	1.923	-6.2	100	0.00	9.21
57	t	2,6-Dinitrotoluene	0.285	0.299	-4.9	98	0.00	9.22
58	t	3-Nitroaniline	0.335	0.362	-8.1	100	0.00	9.44
59	t	Acenaphthene	1.098	1.139	-3.7	98	0.00	9.50
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	48.146	3.7	103	0.00	9.60
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.171	0.146	14.6	91	0.00	9.77
62	t	Dibenzofuran	1.628	1.730	-6.3	100	0.00	9.76
63	t	2,4-Dinitrotoluene	0.385	0.414	-7.5	97	0.00	9.84
64		2,3,4,6-Tetrachlorophenol	0.338	0.382	-13.0	104	0.00	10.04
65	t	Diethylphthalate	1.267	1.322	-4.3	100	0.00	10.26
66	t	Fluorene	1.319	1.372	-4.0	100	0.00	10.31
67	t	4-Chlorophenyl-phenylethe	0.629	0.657	-4.5	103	0.00	10.33
68	t	4-Nitroaniline	0.318	0.343	-7.9	98	-0.01	10.42
69	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00	11.78
70	t	4,6-Dinitro-2-methylpheno	0.159	0.166	-4.4	103	0.00	10.49
71	t	n-Nitrosodiphenylamine	0.593	0.631	-6.4	100	0.00	10.53
72	t	1,2-Diphenylhydrazine	0.745	0.732	1.7	94	0.00	10.57
73	S	2,4,6-Tribromophenol	0.114	0.128	-12.3	102	0.00	10.73
74	t	4-Bromophenyl-phenylether	0.244	0.262	-7.4	100	0.00	11.10
75	t	Hexachlorobenzene	0.270	0.294	-8.9	104	0.00	11.32
76	t	Pentachlorophenol	0.155	0.176	-13.5	106	0.00	11.60
77	t	Phenanthrene	1.125	1.152	-2.4	100	0.00	11.81
78	t	Anthracene	1.111	1.187	-6.8	101	0.00	11.88
79	t	Carbazole	1.117	1.138	-1.9	99	0.00	12.14
80	t	Di-n-butylphthalate	1.360	1.404	-3.2	99	0.00	12.76
81	t	Fluoranthene	1.382	1.385	-0.2	100	0.00	13.52
82	t	Octadecane	0.414	0.415	-0.2	96	0.00	11.68
83	I	Chrysene-d12	1.000	1.000	0.0	99	0.00	15.40
84	t	Pyrene	1.282	1.288	-0.5	99	0.00	13.81
85		Butyl stearate	0.293	0.269	8.2	94	0.00	14.79
86	S	Terphenyl-d14	0.910	0.936	-2.9	99	0.00	14.06
87	t	Butylbenzylphthalate	0.575	0.575	0.0	97	0.00	14.75
88	t	Benzo[a]anthracene	1.182	1.154	2.4	99	0.00	15.38
89	t	3,3'-Dichlorobenzidine	0.455	0.467	-2.6	101	0.00	15.37
90	t	Chrysene	1.075	1.063	1.1	99	0.00	15.43
91	t	bis(2-Ethylhexyl)phthalat	0.747	0.740	0.9	97	0.00	15.50
92	I	Perylene-d12	1.000	1.000	0.0	100	0.00	17.10
93	t	Di-n-octylphthalate	1.275	1.350	-5.9	97	0.00	16.22

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: EZ1911-CC1910
Lab FileID: Z52103.D

94	t	Benzo[b]fluoranthene	1.240	1.282	-3.4	102	0.00	16.65
95	t	Benzo[k]fluoranthene	1.187	1.092	8.0	96	0.00	16.68
96	t	Benzo[a]pyrene	1.108	1.105	0.3	99	0.00	17.03
97	t	Indeno[1,2,3-cd]pyrene	1.257	1.272	-1.2	99	-0.01	18.53
98	t	Dibenz(a,h)acridine	0.950	0.957	-0.7	98	-0.01	18.19
99	t	Dibenz[a,h]anthracene	1.055	1.062	-0.7	98	-0.01	18.54
100	t	7,12-Dimethylbenz(a)anthr	0.521	0.536	-2.9	99	0.00	16.67
101	t	Benzo[g,h,i]perylene	1.099	1.110	-1.0	99	-0.02	18.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z52093.D MZ1910.M Tue Nov 17 08:47:26 2009 RPT1

Continuing Calibration Summary

Job Number: JA31420 **Sample:** EZ1911-CC1891
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** Z52104.D
Project: Hess-Port Reading, NJ

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\EZ1911\Z52104.D          Vial: 3
Acq On    : 16 Nov 2009   7:33 pm                  Operator: vanessan
Sample    : cc1891-25                              Inst    : MSZ
Misc      : op40916,EZ1911,35.0,,,1,1              Multiplr: 1.00
MS Integration Params: rteint.p

Method       : C:\MSDCHEM\1\METHODS\MZ1910.M (RTE Integrator)
Title        : Semi Volatile  GC/MS, RXI-5MS 20m x .18mm x .18um
Last Update  : Mon Nov 16 16:13:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 202%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	73	0.00	4.89
103	Benzaldehyde	1.024	1.112	-8.6	75	-0.07	4.37
104	Phenanthrene-d10a	1.000	1.000	0.0	72	0.00	11.77
105	Atrazine	0.103	0.136	-32.0#	90	-0.08	11.45
106	Methyl Parathion	0.145	0.203	-40.0#	95	-0.08	12.43
107	Parathion	0.111	0.148	-33.3#	96	-0.08	13.00
108	Chrysene-d12a	1.000	1.000	0.0	80	0.00	15.40
109	Benzidine	0.568	0.615	-8.3	84	-0.07	13.72
110	Acenaphthene-d10a	1.000	1.000	0.0	75	0.00	9.45
111	1,2,4,5-Tetrachlorobenzen	0.596	0.649	-8.9	82	-0.08	8.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z52093.D MZ1910.M Tue Nov 17 08:48:12 2009 RPT1

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- DDT/Endrin Breakdown Checks
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40665-MB1	XX90723.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.36	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.50	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.49	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	92%	28-138%
877-09-8	Tetrachloro-m-xylene	95%	28-138%
2051-24-3	Decachlorobiphenyl	99%	22-156%
2051-24-3	Decachlorobiphenyl	99%	22-156%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40551-MB2	3G41287.D	1	10/30/09	TDR	10/29/09	OP40551	G3G1537

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0030	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.0022	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0030	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0017	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.0022	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.0052	ug/l	
60-57-1	Dieldrin	ND	0.020	0.0029	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.0033	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0030	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.0029	ug/l	
72-20-8	Endrin	ND	0.020	0.0037	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.0066	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.0072	ug/l	
53494-70-5	Endrin ketone	ND	0.020	0.0061	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0036	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0043	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0066	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0061	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	89%	30-137%
877-09-8	Tetrachloro-m-xylene	92%	30-137%
2051-24-3	Decachlorobiphenyl	48%	10-137%
2051-24-3	Decachlorobiphenyl	50%	10-137%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40853-MB1	2G42519.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.2	0.53	ug/kg	
319-84-6	alpha-BHC	ND	1.2	0.36	ug/kg	
319-85-7	beta-BHC	ND	1.2	0.57	ug/kg	
319-86-8	delta-BHC	ND	1.2	0.32	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.2	0.36	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.2	0.40	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.2	0.46	ug/kg	
60-57-1	Dieldrin	ND	1.2	0.40	ug/kg	
72-54-8	4,4'-DDD	ND	1.2	0.50	ug/kg	
72-55-9	4,4'-DDE	ND	1.2	0.41	ug/kg	
50-29-3	4,4'-DDT	ND	1.2	0.49	ug/kg	
72-20-8	Endrin	ND	1.2	0.41	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.2	0.45	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.2	0.55	ug/kg	
959-98-8	Endosulfan-I	ND	1.2	0.40	ug/kg	
33213-65-9	Endosulfan-II	ND	1.2	0.45	ug/kg	
76-44-8	Heptachlor	ND	1.2	0.53	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.2	0.45	ug/kg	
72-43-5	Methoxychlor	ND	1.2	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	1.2	0.42	ug/kg	
8001-35-2	Toxaphene	ND	15	14	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	76%	28-138%
877-09-8	Tetrachloro-m-xylene	81%	28-138%
2051-24-3	Decachlorobiphenyl	83%	22-156%
2051-24-3	Decachlorobiphenyl	76%	22-156%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40551-MB1	XX90562.D	1	10/22/09	JSE	10/22/09	OP40551	GXX3618

The QC reported here applies to the following samples: **Method:** SW846 8081A

OP40551-MS, OP40551-MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0030	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.0022	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0030	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0017	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0024	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.0022	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.0052	ug/l	
60-57-1	Dieldrin	ND	0.020	0.0029	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.0033	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0030	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.0029	ug/l	
72-20-8	Endrin	ND	0.020	0.0037	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.0066	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.0072	ug/l	
53494-70-5	Endrin ketone	ND	0.020	0.0061	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0036	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0043	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0066	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0061	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	30-137%
877-09-8	Tetrachloro-m-xylene	90%	30-137%
2051-24-3	Decachlorobiphenyl	79%	10-137%
2051-24-3	Decachlorobiphenyl	77%	10-137%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40666-MB1	EF86699.D	1	10/29/09	VDT	10/29/09	OP40666	GEF3857

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	29	10	ug/kg	
11104-28-2	Aroclor 1221	ND	29	19	ug/kg	
11141-16-5	Aroclor 1232	ND	29	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	29	11	ug/kg	
12672-29-6	Aroclor 1248	ND	29	5.8	ug/kg	
11097-69-1	Aroclor 1254	ND	29	7.4	ug/kg	
11096-82-5	Aroclor 1260	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	91%	33-141%
877-09-8	Tetrachloro-m-xylene	93%	33-141%
2051-24-3	Decachlorobiphenyl	104%	32-154%
2051-24-3	Decachlorobiphenyl	108%	32-154%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40677-MB1	AB84625.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-26

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.30	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.41	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.31	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.27	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.18	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.14	ug/l	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	67%	30-140%
877-09-8	Tetrachloro-m-xylene	79%	30-140%
2051-24-3	Decachlorobiphenyl	62%	10-142%
2051-24-3	Decachlorobiphenyl	65%	10-142%

Method Blank Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40703-MB1	AB84649.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	29	10	ug/kg	
11104-28-2	Aroclor 1221	ND	29	19	ug/kg	
11141-16-5	Aroclor 1232	ND	29	9.5	ug/kg	
53469-21-9	Aroclor 1242	ND	29	11	ug/kg	
12672-29-6	Aroclor 1248	ND	29	5.8	ug/kg	
11097-69-1	Aroclor 1254	ND	29	7.4	ug/kg	
11096-82-5	Aroclor 1260	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	89%	33-141%
877-09-8	Tetrachloro-m-xylene	116%	33-141%
2051-24-3	Decachlorobiphenyl	97%	32-154%
2051-24-3	Decachlorobiphenyl	102%	32-154%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40665-BS1	XX90724.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	14.7	16.8	114	65-153
319-84-6	alpha-BHC	14.7	16.5	112	68-159
319-85-7	beta-BHC	14.7	16.4	112	72-144
319-86-8	delta-BHC	14.7	15.6	106	57-156
58-89-9	gamma-BHC (Lindane)	14.7	16.6	113	68-154
5103-71-9	alpha-Chlordane	14.7	16.7	114	72-147
5103-74-2	gamma-Chlordane	14.7	17.0	116	72-148
60-57-1	Dieldrin	14.7	17.1	116	73-152
72-54-8	4,4'-DDD	14.7	17.1	116	72-153
72-55-9	4,4'-DDE	14.7	16.8	114	72-155
50-29-3	4,4'-DDT	14.7	17.8	121	64-162
72-20-8	Endrin	14.7	17.7	120	74-154
1031-07-8	Endosulfan sulfate	14.7	16.0	109	71-153
7421-93-4	Endrin aldehyde	14.7	15.0	102	52-141
959-98-8	Endosulfan-I	14.7	16.9	115	71-147
33213-65-9	Endosulfan-II	14.7	16.7	114	71-146
76-44-8	Heptachlor	14.7	16.2	110	65-154
1024-57-3	Heptachlor epoxide	14.7	16.9	115	71-149
72-43-5	Methoxychlor	14.7	16.5	112	67-158
53494-70-5	Endrin ketone	14.7	15.5	105	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	92%	28-138%
877-09-8	Tetrachloro-m-xylene	94%	28-138%
2051-24-3	Decachlorobiphenyl	98%	22-156%
2051-24-3	Decachlorobiphenyl	96%	22-156%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40551-BS2	3G41288.D	1	10/30/09	TDR	10/29/09	OP40551	G3G1537

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
309-00-2	Aldrin	0.25	0.27	108	32-152
319-84-6	alpha-BHC	0.25	0.29	116	58-158
319-85-7	beta-BHC	0.25	0.28	112	58-153
319-86-8	delta-BHC	0.25	0.30	120	54-160
58-89-9	gamma-BHC (Lindane)	0.25	0.29	116	57-157
5103-71-9	alpha-Chlordane	0.25	0.28	112	56-155
5103-74-2	gamma-Chlordane	0.25	0.28	112	54-155
60-57-1	Dieldrin	0.25	0.29	116	60-157
72-54-8	4,4'-DDD	0.25	0.29	116	61-161
72-55-9	4,4'-DDE	0.25	0.28	112	57-158
50-29-3	4,4'-DDT	0.25	0.29	116	57-167
72-20-8	Endrin	0.25	0.31	124	64-160
1031-07-8	Endosulfan sulfate	0.25	0.29	116	62-164
7421-93-4	Endrin aldehyde	0.25	0.26	104	58-149
53494-70-5	Endrin ketone	0.25	0.26	104	62-163
959-98-8	Endosulfan-I	0.25	0.28	112	57-155
33213-65-9	Endosulfan-II	0.25	0.28	112	58-156
76-44-8	Heptachlor	0.25	0.26	104	39-158
1024-57-3	Heptachlor epoxide	0.25	0.29	116	58-156
72-43-5	Methoxychlor	0.25	0.27	108	58-171

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	30-137%
877-09-8	Tetrachloro-m-xylene	90%	30-137%
2051-24-3	Decachlorobiphenyl	71%	10-137%
2051-24-3	Decachlorobiphenyl	74%	10-137%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40665-BS11	2G42927.D	1	11/30/09	JSE	10/29/09	OP40665	G2G1632

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
8001-35-2	Toxaphene	294	250	85	65-165

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	95%	28-138%
877-09-8	Tetrachloro-m-xylene	87%	28-138%
2051-24-3	Decachlorobiphenyl	95%	22-156%
2051-24-3	Decachlorobiphenyl	81%	22-156%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40665-BS12	2G42928.D	1	11/30/09	JSE	10/29/09	OP40665	G2G1632

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	108%	28-138%
877-09-8	Tetrachloro-m-xylene	98%	28-138%
2051-24-3	Decachlorobiphenyl	97%	22-156%
2051-24-3	Decachlorobiphenyl	84%	22-156%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40853-BS1	2G42520.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	14.7	13.8	94 [a]	65-153
319-84-6	alpha-BHC	14.7	12.8	87	68-159
319-85-7	beta-BHC	14.7	12.8	87 [a]	72-144
319-86-8	delta-BHC	14.7	14.2	97 [a]	57-156
58-89-9	gamma-BHC (Lindane)	14.7	12.4	84	68-154
5103-71-9	alpha-Chlordane	14.7	12.7	86	72-147
5103-74-2	gamma-Chlordane	14.7	13.7	93 [a]	72-148
60-57-1	Dieldrin	14.7	13.7	93 [a]	73-152
72-54-8	4,4'-DDD	14.7	13.8	94	72-153
72-55-9	4,4'-DDE	14.7	12.4	84	72-155
50-29-3	4,4'-DDT	14.7	10.4	71	64-162
72-20-8	Endrin	14.7	13.2	90	74-154
1031-07-8	Endosulfan sulfate	14.7	14.6	99 [a]	71-153
7421-93-4	Endrin aldehyde	14.7	13.5	92 [a]	52-141
959-98-8	Endosulfan-I	14.7	12.6	86	71-147
33213-65-9	Endosulfan-II	14.7	14.8	101 [a]	71-146
76-44-8	Heptachlor	14.7	12.9	88 [a]	65-154
1024-57-3	Heptachlor epoxide	14.7	13.7	93 [a]	71-149
72-43-5	Methoxychlor	14.7	11.7	80 [a]	67-158
53494-70-5	Endrin ketone	14.7	13.4	91 [a]	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	78%	28-138%
877-09-8	Tetrachloro-m-xylene	81%	28-138%
2051-24-3	Decachlorobiphenyl	86%	22-156%
2051-24-3	Decachlorobiphenyl	80%	22-156%

(a) Reported from 1st signal. %D of check on 2nd signal exceed method criteria (15%) so using for confirmation only.

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40666-BS1	EF86702.D	1	10/29/09	VDT	10/29/09	OP40666	GEF3857

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	118	129	110	80-158
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	118	121	103	70-145

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	90%	33-141%
877-09-8	Tetrachloro-m-xylene	92%	33-141%
2051-24-3	Decachlorobiphenyl	103%	32-154%
2051-24-3	Decachlorobiphenyl	107%	32-154%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40677-BS1	AB84626.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-26

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
12674-11-2	Aroclor 1016	2	2.1	105	73-156
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	2	2.1	105	65-145

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	70%	30-140%
877-09-8	Tetrachloro-m-xylene	89%	30-140%
2051-24-3	Decachlorobiphenyl	72%	10-142%
2051-24-3	Decachlorobiphenyl	75%	10-142%

Blank Spike Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40703-BS1	AB84650.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	118	128	109	80-158
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	118	127	108	70-145

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	88%	33-141%
877-09-8	Tetrachloro-m-xylene	119%	33-141%
2051-24-3	Decachlorobiphenyl	101%	32-154%
2051-24-3	Decachlorobiphenyl	106%	32-154%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40551-MS	XX90564.D	1	10/22/09	JSE	10/22/09	OP40551	GXX3618
OP40551-MSD	XX90565.D	1	10/22/09	JSE	10/22/09	OP40551	GXX3618
JA30872-1	XX90554.D	1	10/22/09	JSE	10/22/09	OP40551	GXX3618

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-26

CAS No.	Compound	JA30872-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		0.5	0.49	98	0.49	98	0	34-144/38
319-84-6	alpha-BHC	ND		0.5	0.51	102	0.51	102	0	43-160/35
319-85-7	beta-BHC	ND		0.5	0.49	98	0.49	98	0	40-162/38
319-86-8	delta-BHC	ND		0.5	0.51	102	0.51	102	0	43-167/38
58-89-9	gamma-BHC (Lindane)	ND		0.5	0.52	104	0.51	102	2	39-160/36
5103-71-9	alpha-Chlordane	ND		0.5	0.51	102	0.50	100	2	35-159/35
5103-74-2	gamma-Chlordane	ND		0.5	0.51	102	0.50	100	2	37-158/34
60-57-1	Dieldrin	ND		0.5	0.56	112	0.55	110	2	41-161/35
72-54-8	4,4'-DDD	ND		0.5	0.54	108	0.53	106	2	39-167/35
72-55-9	4,4'-DDE	ND		0.5	0.49	98	0.49	98	0	37-156/33
50-29-3	4,4'-DDT	ND		0.5	0.50	100	0.50	100	0	34-172/37
72-20-8	Endrin	ND		0.5	0.59	118	0.58	116	2	43-169/33
1031-07-8	Endosulfan sulfate	ND		0.5	0.55	110	0.55	110	0	40-179/37
7421-93-4	Endrin aldehyde	ND		0.5	0.43	86	0.38	76	12	40-154/42
53494-70-5	Endrin ketone	ND		0.5	0.52	104	0.51	102	2	48-173/38
959-98-8	Endosulfan-I	ND		0.5	0.50	100	0.49	98	2	42-154/36
33213-65-9	Endosulfan-II	ND		0.5	0.56	112	0.54	108	4	42-159/34
76-44-8	Heptachlor	ND		0.5	0.49	98	0.48	96	2	35-152/36
1024-57-3	Heptachlor epoxide	ND		0.5	0.51	102	0.50	100	2	42-159/34
72-43-5	Methoxychlor	ND		0.5	0.55	110	0.56	112	2	47-170/40
8001-35-2	Toxaphene	ND			ND		ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JA30872-1	Limits
877-09-8	Tetrachloro-m-xylene	85%	92%	70%	30-137%
877-09-8	Tetrachloro-m-xylene	87%	94%	72%	30-137%
2051-24-3	Decachlorobiphenyl	53%	55%	39%	10-137%
2051-24-3	Decachlorobiphenyl	51%	53%	38%	10-137%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40665-MS	XX90748.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624
OP40665-MSD	XX90749.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624
JA31420-4	XX90750.D	1	10/30/09	JSE	10/29/09	OP40665	GXX3624

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	JA31420-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		17.2	27.8	162* [a]	24.4	142	13	25-153/46
319-84-6	alpha-BHC	ND		17.2	29.8	173* [a]	27.1	158	9	25-163/49
319-85-7	beta-BHC	ND		17.2	23.3	135	21.1	123	10	19-163/50
319-86-8	delta-BHC	ND		17.2	25.8	150	23.4	136	10	8-168/52
58-89-9	gamma-BHC (Lindane)	ND		17.2	24.6	143	21.3	124	14	24-157/47
5103-71-9	alpha-Chlordane	ND		17.2	25.2	147	22.2	129	13	22-160/49
5103-74-2	gamma-Chlordane	ND		17.2	24.6	143	21.6	126	13	21-161/46
60-57-1	Dieldrin	ND		17.2	24.7	144	21.8	127	12	21-163/48
72-54-8	4,4'-DDD	ND		17.2	34.0	198* [a]	31.9	185* [a]	6	19-171/48
72-55-9	4,4'-DDE	ND		17.2	29.6	172	26.0	151	13	24-173/49
50-29-3	4,4'-DDT	ND		17.2	30.5	177	27.4	159	11	21-182/51
72-20-8	Endrin	ND		17.2	25.5	148	22.8	133	11	23-168/50
1031-07-8	Endosulfan sulfate	ND		17.2	26.7	155	24.9	145	7	6-164/55
7421-93-4	Endrin aldehyde	ND		17.2	20.5	119	18.6	108	10	8-137/55
959-98-8	Endosulfan-I	ND		17.2	21.5	125	18.3	106	16	22-149/47
33213-65-9	Endosulfan-II	ND		17.2	24.2	141	22.0	128	10	9-158/51
76-44-8	Heptachlor	ND		17.2	24.0	140	20.7	120	15	25-157/48
1024-57-3	Heptachlor epoxide	ND		17.2	23.8	138	20.4	119	15	23-160/49
72-43-5	Methoxychlor	ND		17.2	29.7	173	28.3	165	5	9-183/54
53494-70-5	Endrin ketone	ND		17.2	25.0	145	23.5	137	6	4-170/54
8001-35-2	Toxaphene	ND			ND		ND		nc	32-165/12

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-4	Limits
877-09-8	Tetrachloro-m-xylene	0%* [b]	0%* [b]	81%	28-138%
877-09-8	Tetrachloro-m-xylene	0%* [b]	0%* [b]	87%	28-138%
2051-24-3	Decachlorobiphenyl	0%* [b]	0%* [b]	95%	22-156%
2051-24-3	Decachlorobiphenyl	0%* [b]	0%* [b]	99%	22-156%

(a) Outside control limits due to matrix interference.
(b) No surrogate added.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40853-MS	2G42569.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
OP40853-MSD	2G42570.D	1	11/12/09	JSE	11/10/09	OP40853	G2G1617
JA31420-16	2G42524.D	1	11/11/09	JSE	11/10/09	OP40853	G2G1616

The QC reported here applies to the following samples: **Method:** SW846 8081A

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	JA31420-16 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		17.8	14.0	79	17.1	96	20	25-153/46
319-84-6	alpha-BHC	ND		17.8	14.6	82	17.3	97	17	25-163/49
319-85-7	beta-BHC	ND		17.8	14.3	80	17.3	97	19	19-163/50
319-86-8	delta-BHC	ND		17.8	14.9	84	17.9	101	18	8-168/52
58-89-9	gamma-BHC (Lindane)	ND		17.8	13.2	74	16.0	90	19	24-157/47
5103-71-9	alpha-Chlordane	ND		17.8	14.9	84	18.6	105	22	22-160/49
5103-74-2	gamma-Chlordane	ND		17.8	12.6	71	17.8	100	34	21-161/46
60-57-1	Dieldrin	ND		17.8	13.3	75	15.2	85	13	21-163/48
72-54-8	4,4'-DDD	ND		17.8	14.3	80	17.5	98	20	19-171/48
72-55-9	4,4'-DDE	ND		17.8	14.0	79	17.5	98	22	24-173/49
50-29-3	4,4'-DDT	ND		17.8	12.5	70	18.1	102	37	21-182/51
72-20-8	Endrin	ND		17.8	13.2	74	16.4	92	22	23-168/50
1031-07-8	Endosulfan sulfate	ND		17.8	10.9	61	12.0	67	10	6-164/55
7421-93-4	Endrin aldehyde	ND		17.8	7.5	42	9.5	53	24	8-137/55
959-98-8	Endosulfan-I	ND		17.8	13.5	76	16.4	92	19	22-149/47
33213-65-9	Endosulfan-II	ND		17.8	9.9	56	14.3	80	36	9-158/51
76-44-8	Heptachlor	ND		17.8	13.4	75	16.5	93	21	25-157/48
1024-57-3	Heptachlor epoxide	ND		17.8	12.9	73	15.9	89	21	23-160/49
72-43-5	Methoxychlor	ND		17.8	14.7	83	14.6	82	1	9-183/54
53494-70-5	Endrin ketone	ND		17.8	10.2	57	11.5	65	12	4-170/54
8001-35-2	Toxaphene	ND			ND		ND		nc	32-165/12

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-16	Limits
877-09-8	Tetrachloro-m-xylene	63%	70%	56%	28-138%
877-09-8	Tetrachloro-m-xylene	64%	68%	55%	28-138%
2051-24-3	Decachlorobiphenyl	54%	81%	74%	22-156%
2051-24-3	Decachlorobiphenyl	65%	76%	68%	22-156%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40666-MS	EF86714.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
OP40666-MSD	EF86715.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857
JA31420-4	EF86716.D	1	10/30/09	VDT	10/29/09	OP40666	GEF3857

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

CAS No.	Compound	JA31420-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		138	150	109	42.2	31* [a]	112* [b]	43-173/42
11104-28-2	Aroclor 1221	ND			ND		ND		nc	70-130/30
11141-16-5	Aroclor 1232	ND			ND		ND		nc	70-130/30
53469-21-9	Aroclor 1242	ND			ND		ND		nc	70-130/30
12672-29-6	Aroclor 1248	ND			ND		ND		nc	70-130/30
11097-69-1	Aroclor 1254	ND			ND		ND		nc	70-130/24
11096-82-5	Aroclor 1260	ND		138	151	110	50.7	37	99* [b]	34-164/41

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-4	Limits
877-09-8	Tetrachloro-m-xylene	0%* [c]	0%* [c]	73%	33-141%
877-09-8	Tetrachloro-m-xylene	0%* [c]	0%* [c]	73%	33-141%
2051-24-3	Decachlorobiphenyl	0%* [c]	0%* [c]	95%	32-154%
2051-24-3	Decachlorobiphenyl	0%* [c]	0%* [c]	98%	32-154%

(a) Outside of in house control limits.
(b) Analytical precision exceeds standard laboratory control limits.
(c) surrogate standard was not added.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40677-MS	AB84627.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388
OP40677-MSD	AB84628.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388
JA31382-1	AB84629.D	1	10/30/09	JSE	10/29/09	OP40677	GAB5388

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-26

CAS No.	Compound	JA31382-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		4.55	6.0	132	6.5	143	8	54-165/43
11104-28-2	Aroclor 1221	ND			ND		ND		nc	70-130/30
11141-16-5	Aroclor 1232	ND			ND		ND		nc	70-130/30
53469-21-9	Aroclor 1242	ND			ND		ND		nc	70-130/30
12672-29-6	Aroclor 1248	ND			ND		ND		nc	70-130/30
11097-69-1	Aroclor 1254	ND			ND		ND		nc	70-130/30
11096-82-5	Aroclor 1260	ND		4.55	4.5	99	4.1	90	9	41-151/42

CAS No.	Surrogate Recoveries	MS	MSD	JA31382-1	Limits
877-09-8	Tetrachloro-m-xylene	78%	72%	80%	30-140%
877-09-8	Tetrachloro-m-xylene	99%	90%	93%	30-140%
2051-24-3	Decachlorobiphenyl	77%	71%	66%	10-142%
2051-24-3	Decachlorobiphenyl	80%	74%	67%	10-142%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP40703-MS	AB84651.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
OP40703-MSD	AB84652.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389
JA31420-16	AB84653.D	1	11/02/09	JSE	10/31/09	OP40703	GAB5389

The QC reported here applies to the following samples: **Method:** SW846 8082

JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

CAS No.	Compound	JA31420-16 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		140	158	113	161	115	2	43-173/42
11104-28-2	Aroclor 1221	ND			ND		ND		nc	70-130/30
11141-16-5	Aroclor 1232	ND			ND		ND		nc	70-130/30
53469-21-9	Aroclor 1242	ND			ND		ND		nc	70-130/30
12672-29-6	Aroclor 1248	ND			ND		ND		nc	70-130/30
11097-69-1	Aroclor 1254	ND			ND		ND		nc	70-130/24
11096-82-5	Aroclor 1260	ND		140	158	113	159	114	1	34-164/41

CAS No.	Surrogate Recoveries	MS	MSD	JA31420-16	Limits
877-09-8	Tetrachloro-m-xylene	98%	99%	70%	33-141%
877-09-8	Tetrachloro-m-xylene	114%	115%	86%	33-141%
2051-24-3	Decachlorobiphenyl	103%	104%	97%	32-154%
2051-24-3	Decachlorobiphenyl	109%	109%	101%	32-154%

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1602-DDT1	**Injection Date:**	10/26/09
Lab File ID:	2G42169.D	**Injection Time:**	10:34
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	195998765	384376468
4,4'-DDE	184427844	352959982
4,4'-DDT	4702680283	8039571221
DDT Breakdown [a]	7.5 %	8.4 %
Endrin aldehyde	13401715	66560568
Endrin ketone	74982802	162220144
Endrin	2875194725	4921087509
Endrin Breakdown [b]	3 %	4.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G2G1602-IC1602	2G42171.D	10/26/09	11:25	00:51	Initial cal 2
G2G1602-IC1602	2G42172.D	10/26/09	11:39	01:05	Initial cal 5
G2G1602-IC1602	2G42173.D	10/26/09	11:53	01:19	Initial cal 10
G2G1602-ICC1602	2G42174.D	10/26/09	12:07	01:33	Initial cal 25
G2G1602-IC1602	2G42175.D	10/26/09	12:22	01:48	Initial cal 50
G2G1602-IC1602	2G42176.D	10/26/09	12:36	02:02	Initial cal 100
G2G1602-IC1602	2G42177.D	10/26/09	13:01	02:28	Initial cal 1
G2G1602-IC1602	2G42178.D	10/26/09	13:15	02:42	Initial cal 2
G2G1602-IC1602	2G42179.D	10/26/09	13:29	02:56	Initial cal 5
G2G1602-IC1602	2G42180.D	10/26/09	13:44	03:10	Initial cal 10
G2G1602-IC1602	2G42181.D	10/26/09	13:58	03:24	Initial cal 25
G2G1602-IC1602	2G42182.D	10/26/09	14:12	03:38	Initial cal 50
G2G1602-IC1602	2G42183.D	10/26/09	14:26	03:53	Initial cal 100
G2G1602-IC1602	2G42184.D	10/26/09	14:40	04:07	Initial cal 500
G2G1602-IC1602	2G42185.D	10/26/09	14:54	04:21	Initial cal 500
G2G1602-ICV1602	2G42186.D	10/26/09	15:09	04:35	Initial cal verification 25
G2G1602-ICV1602	2G42187.D	10/26/09	15:23	04:49	Initial cal verification 10
G2G1602-ICV1602	2G42188.D	10/26/09	15:37	05:04	Initial cal verification 25
G2G1603-CC1602	2G42189.D	10/26/09	15:51	05:18	Continuing cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1609-DDT1	**Injection Date:**	11/03/09
Lab File ID:	2G42378.D	**Injection Time:**	13:40
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	228388883	508988382
4,4'-DDE	145228680	337819155
4,4'-DDT	4309412272	6904434682
DDT Breakdown [a]	8 %	10.9 %
Endrin aldehyde	56899207	103022662
Endrin ketone	167445008	262912113
Endrin	2596159725	4358636343
Endrin Breakdown [b]	8 %	7.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40688-MB2	2G42379.D	11/03/09	14:19	00:40	Method Blank
OP40688-BS2	2G42380.D	11/03/09	14:34	00:54	Blank Spike
ZZZZZZ	2G42381.D	11/03/09	14:47	01:08	(unrelated sample)
ZZZZZZ	2G42382.D	11/03/09	15:02	01:22	(unrelated sample)
G2G1609-CC1602	2G42383.D	11/03/09	16:19	02:39	Continuing cal 10
OP40702-MS	2G42386.D	11/03/09	17:24	03:45	Matrix Spike
OP40702-MSD	2G42387.D	11/03/09	17:38	03:59	Matrix Spike Duplicate
JA31420-16	2G42388.D	11/03/09	17:53	04:13	NLF-4-0-2
G2G1609-ECC1602	2G42394.D	11/03/09	20:27	06:47	Ending cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1613-DDT1	**Injection Date:**	11/09/09
Lab File ID:	2G42449.D	**Injection Time:**	10:23
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	164043058	348431005
4,4'-DDE	76070380	240476536
4,4'-DDT	4613134498	9433443664
DDT Breakdown [a]	4.9 %	5.9 %
Endrin aldehyde	20776896	49955249
Endrin ketone	196939712	284655140
Endrin	2703429648	5683137493
Endrin Breakdown [b]	7.5 %	5.6 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G2G1613-IC1613	2G42451.D	11/09/09	12:02	01:39	Initial cal 2
G2G1613-IC1613	2G42452.D	11/09/09	12:34	02:11	Initial cal 5
G2G1613-IC1613	2G42453.D	11/09/09	12:50	02:27	Initial cal 10
G2G1613-ICC1613	2G42454.D	11/09/09	13:05	02:43	Initial cal 25
G2G1613-IC1613	2G42455.D	11/09/09	13:21	02:58	Initial cal 50
G2G1613-IC1613	2G42456.D	11/09/09	13:37	03:14	Initial cal 100
G2G1613-IC1613	2G42457.D	11/09/09	13:53	03:30	Initial cal 500
G2G1613-IC1613	2G42458.D	11/09/09	14:08	03:46	Initial cal 500
G2G1613-ICV1613	2G42459.D	11/09/09	14:24	04:01	Initial cal verification 25
G2G1615-CC1613	2G42483.D	11/10/09	08:59	22:36	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1615-DDT1	**Injection Date:**	11/10/09
Lab File ID:	2G42484.D	**Injection Time:**	09:37
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	292200889	812826412
4,4'-DDE	76758932	280479696
4,4'-DDT	4139221109	8451814680
DDT Breakdown [a]	8.2 %	11.5 %
Endrin aldehyde	22406239	52187073
Endrin ketone	195437314	373507472
Endrin	2591192055	5746867318
Endrin Breakdown [b]	7.8 %	6.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA31420-8	2G42490.D	11/10/09	11:10	01:33	NLF-2-4-6
JA31420-9	2G42491.D	11/10/09	11:26	01:49	NLF-2-6-8
ZZZZZZ	2G42492.D	11/10/09	12:00	02:23	(unrelated sample)
ZZZZZZ	2G42493.D	11/10/09	12:15	02:38	(unrelated sample)
G2G1615-ECC1613	2G42494.D	11/10/09	14:16	04:39	Ending cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1616-DDT1	**Injection Date:**	11/11/09
Lab File ID:	2G42518.D	**Injection Time:**	11:06
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	252200306	587328721
4,4'-DDE	85103727	336783504
4,4'-DDT	4131384552	7954517984
DDT Breakdown [a]	7.5 %	10.4 %
Endrin aldehyde	23952739	54718056
Endrin ketone	197632904	390843576
Endrin	2557010000	5176672301
Endrin Breakdown [b]	8 %	7.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40853-MB1	2G42519.D	11/11/09	11:22	00:16	Method Blank
OP40853-BS1	2G42520.D	11/11/09	11:38	00:32	Blank Spike
ZZZZZZ	2G42521.D	11/11/09	11:53	00:47	(unrelated sample)
ZZZZZZ	2G42522.D	11/11/09	12:09	01:03	(unrelated sample)
JA31420-16	2G42524.D	11/11/09	12:41	01:35	NLF-4-0-2
JA31420-13	2G42525.D	11/11/09	12:56	01:50	NLF-3-4-6
JA31420-12	2G42526.D	11/11/09	13:12	02:06	NLF-3-2-4
ZZZZZZ	2G42527.D	11/11/09	13:28	02:22	(unrelated sample)
G2G1616-CC1613	2G42528.D	11/11/09	14:15	03:09	Continuing cal 10
G2G1617-CC1613	2G42553.D	11/12/09	09:16	22:10	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1617-DDT1	**Injection Date:**	11/12/09
Lab File ID:	2G42554.D	**Injection Time:**	09:55
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	112620124	179177378
4,4'-DDE	88305138	260821021
4,4'-DDT	4658835081	9066342132
DDT Breakdown [a]	4.1 %	4.6 %
Endrin aldehyde	0	0
Endrin ketone	149932451	185599080
Endrin	2745218188	5696326197
Endrin Breakdown [b]	5.2 %	3.2 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA31420-11	2G42556.D	11/12/09	10:26	00:31	NLF-3-0-2
JA31420-14	2G42557.D	11/12/09	10:42	00:47	NLF-3-6-8
JA31420-15	2G42558.D	11/12/09	10:58	01:03	NLF-3-8-10
JA31420-17	2G42559.D	11/12/09	11:17	01:22	NLF-4-2-4
JA31420-18	2G42560.D	11/12/09	11:32	01:37	NLF-4-4-6
JA31420-19	2G42561.D	11/12/09	11:48	01:53	NLF-4-6-8
JA31420-20	2G42562.D	11/12/09	12:04	02:09	NLF-4-8-10
JA31420-21	2G42563.D	11/12/09	12:19	02:24	NLF-5-0-2
G2G1617-CC1613	2G42564.D	11/12/09	13:19	03:24	Continuing cal 10
JA31420-25	2G42566.D	11/12/09	14:06	04:11	NLF-5-8-10
JA32152-1	2G42567.D	11/12/09	14:22	04:27	(used for QC only; not part of job JA31420)
ZZZZZZ	2G42568.D	11/12/09	14:37	04:42	(unrelated sample)
OP40853-MS	2G42569.D	11/12/09	14:53	04:58	Matrix Spike
OP40853-MSD	2G42570.D	11/12/09	15:09	05:14	Matrix Spike Duplicate
ZZZZZZ	2G42571.D	11/12/09	15:33	05:38	(unrelated sample)
ZZZZZZ	2G42572.D	11/12/09	15:49	05:54	(unrelated sample)
ZZZZZZ	2G42573.D	11/12/09	16:04	06:10	(unrelated sample)
G2G1617-CC1613	2G42574.D	11/12/09	16:49	06:54	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1629-DDT1	**Injection Date:**	11/24/09
Lab File ID:	2G42834.D	**Injection Time:**	15:29
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	93935816	346117501
4,4'-DDE	84498852	287572907
4,4'-DDT	4447248327	10403046313
DDT Breakdown [a]	3.9 %	5.7 %
Endrin aldehyde	15459026	83784163
Endrin ketone	95147749	255844110
Endrin	2635904509	6341747728
Endrin Breakdown [b]	4 %	5.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G2G1629-IC1629	2G42836.D	11/24/09	16:01	00:31	Initial cal 500
G2G1629-IC1629	2G42837.D	11/24/09	16:17	00:47	Initial cal 500
G2G1629-IC1629	2G42838.D	11/24/09	16:32	01:03	Initial cal 100
G2G1629-IC1629	2G42839.D	11/24/09	16:48	01:19	Initial cal 50
G2G1629-ICC1629	2G42840.D	11/24/09	17:04	01:34	Initial cal 25
G2G1629-IC1629	2G42841.D	11/24/09	17:19	01:50	Initial cal 10
G2G1629-IC1629	2G42842.D	11/24/09	17:35	02:06	Initial cal 5
G2G1629-IC1629	2G42843.D	11/24/09	17:51	02:21	Initial cal 2
G2G1629-ICV1629	2G42844.D	11/24/09	18:07	02:37	Initial cal verification 25
G2G1630-CC1629	2G42845.D	11/24/09	18:22	02:53	Continuing cal 10
OP41085-MB1	2G42846.D	11/24/09	18:38	03:09	Method Blank
OP41084-MB1	2G42846.D	11/24/09	18:38	03:09	Method Blank
OP41085-BS1	2G42847.D	11/24/09	18:54	03:24	Blank Spike
OP41084-BS1	2G42847.D	11/24/09	18:54	03:24	Blank Spike
OP41084-LB3	2G42848.D	11/24/09	19:09	03:40	Leachate Blank
OP41085-LB4	2G42849.D	11/24/09	19:25	03:56	Leachate Blank
OP41085-LB5	2G42850.D	11/24/09	19:41	04:11	Leachate Blank
ZZZZZZ	2G42851.D	11/24/09	19:57	04:27	(unrelated sample)
ZZZZZZ	2G42852.D	11/24/09	20:12	04:43	(unrelated sample)
ZZZZZZ	2G42853.D	11/24/09	20:28	04:59	(unrelated sample)
ZZZZZZ	2G42854.D	11/24/09	20:44	05:14	(unrelated sample)
ZZZZZZ	2G42855.D	11/24/09	20:59	05:30	(unrelated sample)
G2G1630-ECC1629	2G42856.D	11/24/09	21:42	06:13	Ending cal 25
G2G1631-CC1629	2G42869.D	11/25/09	10:26	18:56	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G2G1632-DDT1	**Injection Date:**	11/30/09
Lab File ID:	2G42912.D	**Injection Time:**	10:19
Instrument ID:	GC2G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	249228804	595134096
4,4'-DDE	72940064	220525697
4,4'-DDT	4266596713	8465425842
DDT Breakdown [a]	7 %	8.8 %
Endrin aldehyde	8865970	48290399
Endrin ketone	163658843	346786067
Endrin	2702582724	5586071501
Endrin Breakdown [b]	6 %	6.6 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2G42914.D	11/30/09	11:30	01:11	(unrelated sample)
ZZZZZZ	2G42915.D	11/30/09	11:46	01:27	(unrelated sample)
ZZZZZZ	2G42917.D	11/30/09	12:17	01:58	(unrelated sample)
ZZZZZZ	2G42918.D	11/30/09	12:33	02:14	(unrelated sample)
ZZZZZZ	2G42919.D	11/30/09	12:48	02:29	(unrelated sample)
ZZZZZZ	2G42920.D	11/30/09	13:04	02:46	(unrelated sample)
ZZZZZZ	2G42921.D	11/30/09	13:20	03:01	(unrelated sample)
G2G1632-CC1629	2G42922.D	11/30/09	14:37	04:18	Continuing cal 10
ZZZZZZ	2G42924.D	11/30/09	15:14	04:55	(unrelated sample)
ZZZZZZ	2G42925.D	11/30/09	15:29	05:11	(unrelated sample)
ZZZZZZ	2G42926.D	11/30/09	15:45	05:27	(unrelated sample)
OP40665-BS11	2G42927.D	11/30/09	16:02	05:43	Blank Spike
OP40665-BS12	2G42928.D	11/30/09	16:18	05:59	Blank Spike
G2G1632-CC1629	2G42929.D	11/30/09	17:01	06:42	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G3G1525-DDT1	**Injection Date:**	10/19/09
Lab File ID:	3G40900.D	**Injection Time:**	15:08
Instrument ID:	GC3G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	15519777	15252012
4,4'-DDE	10939566	12066078
4,4'-DDT	1184353104	1051649981
DDT Breakdown [a]	2.2 %	2.5 %
Endrin aldehyde	6626932	5765283
Endrin ketone	11270162	10009780
Endrin	666773569	606695927
Endrin Breakdown [b]	2.6 %	2.5 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G3G1525-IC1525	3G40902.D	10/19/09	15:35	00:27	Initial cal 500
G3G1525-IC1525	3G40903.D	10/19/09	15:48	00:41	Initial cal 500
G3G1525-IC1525	3G40904.D	10/19/09	16:02	00:54	Initial cal 100
G3G1525-IC1525	3G40905.D	10/19/09	16:16	01:08	Initial cal 50
G3G1525-ICC1525	3G40906.D	10/19/09	16:29	01:21	Initial cal 25
G3G1525-IC1525	3G40907.D	10/19/09	16:43	01:35	Initial cal 10
G3G1525-IC1525	3G40908.D	10/19/09	16:56	01:48	Initial cal 5
G3G1525-IC1525	3G40909.D	10/19/09	17:10	02:02	Initial cal 2
G3G1525-ICV1525	3G40910.D	10/19/09	17:23	02:15	Initial cal verification 25
G3G1526-CC1525	3G40911.D	10/19/09	17:37	02:29	Continuing cal 10
OP40486-MB1	3G40913.D	10/19/09	18:04	02:56	Method Blank
OP40486-BS1	3G40914.D	10/19/09	18:18	03:10	Blank Spike
OP40486-MS	3G40915.D	10/19/09	18:31	03:23	Matrix Spike
OP40486-MSD	3G40916.D	10/19/09	18:44	03:37	Matrix Spike Duplicate
JA30412-4	3G40917.D	10/19/09	18:58	03:50	(used for QC only; not part of job JA31420)
ZZZZZZ	3G40918.D	10/19/09	19:12	04:04	(unrelated sample)
ZZZZZZ	3G40919.D	10/19/09	19:25	04:17	(unrelated sample)
ZZZZZZ	3G40920.D	10/19/09	19:39	04:31	(unrelated sample)
ZZZZZZ	3G40921.D	10/19/09	19:52	04:44	(unrelated sample)
G3G1526-CC1525	3G40922.D	10/19/09	20:19	05:11	Continuing cal 25
ZZZZZZ	3G40924.D	10/19/09	20:46	05:38	(unrelated sample)
ZZZZZZ	3G40925.D	10/19/09	21:00	05:52	(unrelated sample)
ZZZZZZ	3G40926.D	10/19/09	21:13	06:05	(unrelated sample)
ZZZZZZ	3G40927.D	10/19/09	21:27	06:19	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1525-DDT1 **Injection Date:** 10/19/09
Lab File ID: 3G40900.D **Injection Time:** 15:08
Instrument ID: GC3G

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3G40928.D	10/19/09	21:40	06:32	(unrelated sample)
ZZZZZZ	3G40929.D	10/19/09	21:54	06:46	(unrelated sample)
ZZZZZZ	3G40930.D	10/19/09	22:07	06:59	(unrelated sample)
G3G1526-ECC1525	3G40931.D	10/19/09	22:34	07:26	Ending cal 10
G3G1527-CC1525	3G40933.D	10/20/09	11:13	20:05	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	G3G1537-DDT01	**Injection Date:**	10/30/09
Lab File ID:	3G41276.D	**Injection Time:**	09:09
Instrument ID:	GC3G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	39603453	48947515
4,4'-DDE	19529635	21576279
4,4'-DDT	1277345673	1180889786
DDT Breakdown [a]	4.4 %	5.6 %
Endrin aldehyde	9134248	7836126
Endrin ketone	18439337	21579707
Endrin	742622772	708061456
Endrin Breakdown [b]	3.6 %	4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40602-MB2	3G41278.D	10/30/09	10:01	00:52	Method Blank
OP40602-BS2	3G41279.D	10/30/09	10:14	01:05	Blank Spike
ZZZZZZ	3G41280.D	10/30/09	10:28	01:19	(unrelated sample)
ZZZZZZ	3G41281.D	10/30/09	10:41	01:32	(unrelated sample)
ZZZZZZ	3G41282.D	10/30/09	10:55	01:46	(unrelated sample)
JA31420-26	3G41283.D	10/30/09	11:08	01:59	FIELD BLANK
ZZZZZZ	3G41284.D	10/30/09	11:22	02:13	(unrelated sample)
ZZZZZZ	3G41285.D	10/30/09	11:35	02:26	(unrelated sample)
G3G1537-CC1525	3G41286.D	10/30/09	13:31	04:22	Continuing cal 50
OP40551-MB2	3G41287.D	10/30/09	13:44	04:35	Method Blank
OP40551-BS2	3G41288.D	10/30/09	13:58	04:49	Blank Spike
ZZZZZZ	3G41289.D	10/30/09	14:11	05:02	(unrelated sample)
ZZZZZZ	3G41292.D	10/30/09	15:38	06:29	(unrelated sample)
ZZZZZZ	3G41293.D	10/30/09	15:51	06:42	(unrelated sample)
ZZZZZZ	3G41294.D	10/30/09	16:05	06:56	(unrelated sample)
G3G1537-ECC1525	3G41295.D	10/30/09	18:12	09:03	Ending cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3611-DDT1	**Injection Date:**	10/15/09
Lab File ID:	XX90345.D	**Injection Time:**	11:30
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2757642	859986
4,4'-DDE	354470	126780
4,4'-DDT	60644556	17864880
DDT Breakdown [a]	4.9 %	5.2 %
Endrin aldehyde	532479	143750
Endrin ketone	1024222	343789
Endrin	36743130	10649838
Endrin Breakdown [b]	4.1 %	4.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GXX3611-IC3611	XX90347.D	10/15/09	12:06	00:36	Initial cal 2
GXX3611-IC3611	XX90348.D	10/15/09	12:21	00:51	Initial cal 5
GXX3611-IC3611	XX90349.D	10/15/09	12:42	01:12	Initial cal 10
GXX3611-ICC3611	XX90350.D	10/15/09	12:57	01:27	Initial cal 25
GXX3611-IC3611	XX90351.D	10/15/09	13:18	01:48	Initial cal 50
GXX3611-IC3611	XX90352.D	10/15/09	13:33	02:03	Initial cal 100
GXX3611-IC3611	XX90353.D	10/15/09	13:54	02:24	Initial cal 500
GXX3611-IC3611	XX90354.D	10/15/09	14:09	02:39	Initial cal 500
GXX3611-ICV3611	XX90355.D	10/15/09	14:30	03:00	Initial cal verification 25
GXX3612-CC3611	XX90356.D	10/15/09	16:25	04:55	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3618-DDT2	**Injection Date:**	10/22/09
Lab File ID:	XX90561.D	**Injection Time:**	17:03
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	3483384	848725
4,4'-DDE	911185	293794
4,4'-DDT	60748278	19646928
DDT Breakdown [a]	6.7 %	5.5 %
Endrin aldehyde	186030	9397
Endrin ketone	821210	225863
Endrin	42526929	12506511
Endrin Breakdown [b]	2.3 %	1.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40551-MB1	XX90562.D	10/22/09	17:18	00:15	Method Blank
OP40551-BS1	XX90563.D	10/22/09	17:40	00:37	Blank Spike
OP40551-MS	XX90564.D	10/22/09	17:54	00:51	Matrix Spike
OP40551-MSD	XX90565.D	10/22/09	18:16	01:13	Matrix Spike Duplicate
ZZZZZZ	XX90566.D	10/22/09	18:30	01:27	(unrelated sample)
ZZZZZZ	XX90567.D	10/22/09	18:52	01:49	(unrelated sample)
ZZZZZZ	XX90568.D	10/22/09	19:13	02:10	(unrelated sample)
ZZZZZZ	XX90569.D	10/22/09	19:28	02:25	(unrelated sample)
ZZZZZZ	XX90570.D	10/22/09	19:49	02:46	(unrelated sample)
GXX3618-ECC3611	XX90571.D	10/22/09	20:26	03:23	Ending cal 25
GXX3619-CC3611	XX90584.D	10/23/09	09:57	16:54	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3622-DDT1	**Injection Date:**	10/29/09
Lab File ID:	XX90689.D	**Injection Time:**	09:06
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2587448	588157
4,4'-DDE	521536	148488
4,4'-DDT	60445313	19368290
DDT Breakdown [a]	4.9 %	3.7 %
Endrin aldehyde	51035	0
Endrin ketone	959440	231551
Endrin	39799721	12109829
Endrin Breakdown [b]	2.5 %	1.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GXX3622-IC3622	XX90691.D	10/29/09	09:46	00:40	Initial cal 2
GXX3622-IC3622	XX90692.D	10/29/09	10:01	00:55	Initial cal 5
GXX3622-IC3622	XX90693.D	10/29/09	10:22	01:16	Initial cal 10
GXX3622-ICC3622	XX90694.D	10/29/09	10:37	01:31	Initial cal 25
GXX3622-IC3622	XX90695.D	10/29/09	10:58	01:52	Initial cal 50
GXX3622-IC3622	XX90696.D	10/29/09	13:38	04:32	Initial cal 100
GXX3622-IC3622	XX90697.D	10/29/09	14:01	04:55	Initial cal 500
GXX3622-IC3622	XX90698.D	10/29/09	14:16	05:10	Initial cal 500
GXX3622-ICV3622	XX90699.D	10/29/09	15:07	06:01	Initial cal verification 25
GXX3623-CC3622	XX90700.D	10/29/09	15:33	06:27	Continuing cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3624-DDT1	**Injection Date:**	10/30/09
Lab File ID:	XX90722.D	**Injection Time:**	09:34
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2613238	725750
4,4'-DDE	1155722	391377
4,4'-DDT	57155575	19162278
DDT Breakdown [a]	6.2 %	5.5 %
Endrin aldehyde	99687	20051
Endrin ketone	900807	296905
Endrin	40378283	12112073
Endrin Breakdown [b]	2.4 %	2.6 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40665-MB1	XX90723.D	10/30/09	09:48	00:14	Method Blank
OP40665-BS1	XX90724.D	10/30/09	10:10	00:36	Blank Spike
ZZZZZZ	XX90725.D	10/30/09	10:30	00:56	(unrelated sample)
ZZZZZZ	XX90726.D	10/30/09	11:00	01:26	(unrelated sample)
ZZZZZZ	XX90727.D	10/30/09	11:29	01:55	(unrelated sample)
ZZZZZZ	XX90728.D	10/30/09	11:43	02:09	(unrelated sample)
ZZZZZZ	XX90729.D	10/30/09	12:05	02:31	(unrelated sample)
ZZZZZZ	XX90730.D	10/30/09	12:34	03:00	(unrelated sample)
ZZZZZZ	XX90731.D	10/30/09	13:03	03:29	(unrelated sample)
GXX3624-CC3622	XX90732.D	10/30/09	14:01	04:27	Continuing cal 10
OP40602-MB1	XX90733.D	10/30/09	14:17	04:43	Method Blank
OP40602-BS1	XX90734.D	10/30/09	14:31	04:57	Blank Spike
ZZZZZZ	XX90735.D	10/30/09	14:53	05:19	(unrelated sample)
ZZZZZZ	XX90736.D	10/30/09	15:07	05:33	(unrelated sample)
ZZZZZZ	XX90737.D	10/30/09	15:29	05:55	(unrelated sample)
ZZZZZZ	XX90738.D	10/30/09	15:50	06:16	(unrelated sample)
ZZZZZZ	XX90739.D	10/30/09	16:04	06:30	(unrelated sample)
GXX3624-CC3622	XX90740.D	10/30/09	17:02	07:28	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3624-DDT2	**Injection Date:**	10/30/09
Lab File ID:	XX90741.D	**Injection Time:**	17:22
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2496370	944443
4,4'-DDE	559162	178114
4,4'-DDT	63402208	19855368
DDT Breakdown [a]	4.6 %	5.4 %
Endrin aldehyde	102812	30678
Endrin ketone	836127	284473
Endrin	41417870	12568156
Endrin Breakdown [b]	2.2 %	2.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40602-MS	XX90743.D	10/30/09	17:58	00:36	Matrix Spike
OP40602-MSD	XX90744.D	10/30/09	18:20	00:58	Matrix Spike Duplicate
ZZZZZZ	XX90745.D	10/30/09	18:35	01:13	(unrelated sample)
ZZZZZZ	XX90746.D	10/30/09	18:56	01:34	(unrelated sample)
OP40604-LS5	XX90747.D	10/30/09	19:11	01:49	Leachate Spike
OP40665-MS	XX90748.D	10/30/09	19:32	02:10	Matrix Spike
OP40665-MSD	XX90749.D	10/30/09	19:47	02:25	Matrix Spike Duplicate
JA31420-4	XX90750.D	10/30/09	20:08	02:46	NLF-1-6-8
GXX3624-ECC3622	XX90751.D	10/30/09	20:59	03:37	Ending cal 10
GXX3625-CC3622	XX90764.D	10/31/09	11:01	17:39	Continuing cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3625-DDT1	**Injection Date:**	10/31/09
Lab File ID:	XX90765.D	**Injection Time:**	11:36
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2923380	899559
4,4'-DDE	670138	189807
4,4'-DDT	67683276	20261907
DDT Breakdown [a]	5 %	5.1 %
Endrin aldehyde	1644076	392234
Endrin ketone	2555046	915746
Endrin	41760670	12132272
Endrin Breakdown [b]	9.1 %	9.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	XX90767.D	10/31/09	12:12	00:36	(unrelated sample)
ZZZZZZ	XX90768.D	10/31/09	12:34	00:58	(unrelated sample)
ZZZZZZ	XX90769.D	10/31/09	12:48	01:12	(unrelated sample)
ZZZZZZ	XX90770.D	10/31/09	13:10	01:34	(unrelated sample)
JA31420-3	XX90771.D	10/31/09	13:24	01:48	NLF-1-4-6
JA31420-2	XX90772.D	10/31/09	13:46	02:10	NLF-1-2-4
JA31420-5	XX90773.D	10/31/09	14:00	02:24	NLF-1-8-10
JA31420-6	XX90774.D	10/31/09	14:22	02:46	NLF-2-0-2
GXX3625-ECC3622	XX90775.D	10/31/09	15:05	03:29	Ending cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3628-DDT2	**Injection Date:**	11/04/09
Lab File ID:	XX90858.D	**Injection Time:**	20:35
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	777257	458878
4,4'-DDE	640247	246527
4,4'-DDT	58197970	18013851
DDT Breakdown [a]	2.4 %	3.8 %
Endrin aldehyde	135441	34387
Endrin ketone	568216	206081
Endrin	37745724	11866117
Endrin Breakdown [b]	1.8 %	2 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	XX90860.D	11/04/09	21:11	00:36	(unrelated sample)
ZZZZZZ	XX90861.D	11/04/09	21:33	00:58	(unrelated sample)
ZZZZZZ	XX90862.D	11/04/09	21:48	01:13	(unrelated sample)
ZZZZZZ	XX90863.D	11/04/09	22:09	01:34	(unrelated sample)
ZZZZZZ	XX90864.D	11/04/09	22:24	01:49	(unrelated sample)
JA31420-7	XX90865.D	11/04/09	22:45	02:10	NLF-2-2-4
JA31420-1	XX90866.D	11/04/09	23:07	02:32	NLF-1-0-2
JA31420-10	XX90867.D	11/04/09	23:21	02:46	NLF-2-8-10
GXX3628-ECC3622	XX90868.D	11/05/09	00:19	03:44	Ending cal 25
GXX3629-CC3622	XX90869.D	11/05/09	09:20	12:45	Continuing cal 25

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3633-DDT1	**Injection Date:**	11/11/09
Lab File ID:	XX90964.D	**Injection Time:**	09:42
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2131880	858887
4,4'-DDE	941028	330806
4,4'-DDT	57324827	17983996
DDT Breakdown [a]	5.1 %	6.2 %
Endrin aldehyde	0	0
Endrin ketone	615891	170814
Endrin	39475418	11914335
Endrin Breakdown [b]	1.5 %	1.4 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
GXX3633-IC3633	XX90966.D	11/11/09	10:35	00:53	Initial cal 2
GXX3633-IC3633	XX90967.D	11/11/09	10:50	01:08	Initial cal 5
GXX3633-IC3633	XX90968.D	11/11/09	11:11	01:29	Initial cal 10
GXX3633-ICC3633	XX90969.D	11/11/09	11:26	01:44	Initial cal 25
GXX3633-IC3633	XX90970.D	11/11/09	11:47	02:05	Initial cal 50
GXX3633-IC3633	XX90972.D	11/11/09	12:24	02:42	Initial cal 500
GXX3633-IC3633	XX90973.D	11/11/09	12:38	02:56	Initial cal 500
GXX3633-IC3633	XX90974.D	11/11/09	14:06	04:24	Initial cal 100
GXX3633-ICV3633	XX90975.D	11/11/09	14:22	04:40	Initial cal verification 25
GXX3634-CC3633	XX90976.D	11/11/09	16:26	06:44	Continuing cal 10

DDT/Endrin Breakdown Check

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample:	GXX3635-DDT1	**Injection Date:**	11/12/09
Lab File ID:	XX91001.D	**Injection Time:**	09:44
Instrument ID:	GCXX		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	2018832	1122187
4,4'-DDE	933656	391749
4,4'-DDT	54928688	16815047
DDT Breakdown [a]	5.1 %	8.3 %
Endrin aldehyde	0	0
Endrin ketone	707231	231922
Endrin	38986841	10861967
Endrin Breakdown [b]	1.8 %	2.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP40546-MB2	XX91002.D	11/12/09	09:58	00:14	Method Blank
OP40546-BS2	XX91003.D	11/12/09	10:19	00:35	Blank Spike
ZZZZZZ	XX91004.D	11/12/09	10:33	00:49	(unrelated sample)
ZZZZZZ	XX91005.D	11/12/09	10:52	01:08	(unrelated sample)
JA31420-22	XX91006.D	11/12/09	11:14	01:30	NLF-5-2-4
JA31420-23	XX91007.D	11/12/09	11:32	01:48	4LF-5-4-6
JA31420-24	XX91008.D	11/12/09	11:46	02:02	NLF-5-6-8
ZZZZZZ	XX91009.D	11/12/09	12:08	02:24	(unrelated sample)
ZZZZZZ	XX91010.D	11/12/09	12:29	02:45	(unrelated sample)
GXX3635-CC3633	XX91011.D	11/12/09	18:19	08:35	Continuing cal 10

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8081A **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JA31420-26	3G41283.D	77.0	85.0	32.0	37.0
OP40551-BS2	3G41288.D	88.0	90.0	71.0	74.0
OP40551-MB2	3G41287.D	89.0	92.0	48.0	50.0
OP40551-MS	XX90564.D	85.0	87.0	53.0	51.0
OP40551-MSD	XX90565.D	92.0	94.0	55.0	53.0
OP40551-MB1	XX90562.D	91.0	90.0	79.0	77.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-137%
S2 = Decachlorobiphenyl	10-137%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8081A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JA31420-1	XX90866.D	69.0	74.0	64.0	82.0
JA31420-2	XX90772.D	103.0	108.0	112.0	114.0
JA31420-3	XX90771.D	98.0	103.0	114.0	109.0
JA31420-4	XX90750.D	81.0	87.0	95.0	99.0
JA31420-5	XX90773.D	106.0	108.0	133.0	124.0
JA31420-6	XX90774.D	100.0	105.0	93.0	100.0
JA31420-7	XX90865.D	74.0	74.0	82.0	82.0
JA31420-8	2G42490.D	45.0	48.0	63.0	60.0
JA31420-9	2G42491.D	71.0	73.0	100.0	88.0
JA31420-10	XX90867.D	89.0	92.0	81.0	92.0
JA31420-11	2G42556.D	64.0	63.0	67.0	70.0
JA31420-12	2G42526.D	59.0	62.0	70.0	67.0
JA31420-13	2G42525.D	65.0	67.0	83.0	75.0
JA31420-14	2G42557.D	73.0	71.0	94.0	88.0
JA31420-15	2G42558.D	61.0	66.0	81.0	84.0
JA31420-16	2G42524.D	56.0	55.0	74.0	68.0
JA31420-16	2G42388.D				
JA31420-17	2G42559.D	48.0	53.0	75.0	72.0
JA31420-18	2G42560.D	54.0	57.0	80.0	73.0
JA31420-19	2G42561.D	62.0	60.0	78.0	79.0
JA31420-20	2G42562.D	67.0	70.0	81.0	83.0
JA31420-21	2G42563.D	46.0	49.0	75.0	76.0
JA31420-22	XX91006.D	71.0	83.0	70.0	83.0
JA31420-23	XX91007.D	56.0	57.0	44.0	69.0
JA31420-24	XX91008.D	78.0	79.0	64.0	96.0
JA31420-25	2G42566.D	50.0	53.0	70.0	66.0
OP40665-BS1	XX90724.D	92.0	94.0	98.0	96.0
OP40665-BS11	2G42927.D	95.0	87.0	95.0	81.0
OP40665-BS12	2G42928.D	108.0	98.0	97.0	84.0
OP40665-MB1	XX90723.D	92.0	95.0	99.0	99.0
OP40665-MS	XX90748.D	0.0* [c]	0.0* [c]	0.0* [c]	0.0* [c]
OP40665-MSD	XX90749.D	0.0* [c]	0.0* [c]	0.0* [c]	0.0* [c]
OP40853-BS1	2G42520.D	78.0	81.0	86.0	80.0
OP40853-MB1	2G42519.D	76.0	81.0	83.0	76.0
OP40853-MS	2G42569.D	63.0	64.0	54.0	65.0
OP40853-MSD	2G42570.D	70.0	68.0	81.0	76.0

Surrogate Compounds **Recovery Limits**

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8081A **Matrix:** SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	28-138%
S2 = Decachlorobiphenyl	22-156%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) No surrogate added.

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8082 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JA31420-26	AB84637.D	76.0	92.0	47.0	48.0
OP40677-BS1	AB84626.D	70.0	89.0	72.0	75.0
OP40677-MB1	AB84625.D	67.0	79.0	62.0	65.0
OP40677-MS	AB84627.D	78.0	99.0	77.0	80.0
OP40677-MSD	AB84628.D	72.0	90.0	71.0	74.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	30-140%
S2 = Decachlorobiphenyl	10-142%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JA31420-1	EF86710.D	63.0	63.0	74.0	77.0
JA31420-2	EF86711.D	81.0	82.0	102.0	102.0
JA31420-3	EF86717.D	86.0	87.0	102.0	106.0
JA31420-4	EF86716.D	73.0	73.0	95.0	98.0
JA31420-5	EF86718.D	78.0	78.0	98.0	102.0
JA31420-6	EF86719.D	74.0	74.0	84.0	87.0
JA31420-7	EF86720.D	57.0	57.0	74.0	76.0
JA31420-8	EF86721.D	38.0	38.0	64.0	65.0
JA31420-9	EF86722.D	67.0	67.0	92.0	95.0
JA31420-10	EF86723.D	88.0	88.0	94.0	97.0
JA31420-11	AB84654.D	39.0	42.0	42.0	44.0
JA31420-12	AB84661.D	74.0	87.0	87.0	88.0
JA31420-13	AB84662.D	91.0	109.0	101.0	104.0
JA31420-14	AB84663.D	76.0	87.0	92.0	95.0
JA31420-15	AB84664.D	86.0	100.0	97.0	99.0
JA31420-16	AB84653.D	70.0	86.0	97.0	101.0
JA31420-17	AB84665.D	87.0	108.0	103.0	106.0
JA31420-18	AB84666.D	77.0	94.0	88.0	90.0
JA31420-19	AB84667.D	95.0	112.0	109.0	112.0
JA31420-20	AB84668.D	83.0	91.0	101.0	102.0
JA31420-21	AB84669.D	93.0	109.0	114.0	117.0
JA31420-22	AB84676.D	64.0	69.0	82.0	83.0
JA31420-23	AB84677.D	36.0	39.0	41.0	43.0
JA31420-24	AB84678.D	77.0	94.0	94.0	97.0
JA31420-25	AB84679.D	84.0	99.0	106.0	109.0
OP40666-BS1	EF86702.D	90.0	92.0	103.0	107.0
OP40666-MB1	EF86699.D	91.0	93.0	104.0	108.0
OP40666-MS	EF86714.D	0.0* [c]	0.0* [c]	0.0* [c]	0.0* [c]
OP40666-MSD	EF86715.D	0.0* [c]	0.0* [c]	0.0* [c]	0.0* [c]
OP40703-BS1	AB84650.D	88.0	119.0	101.0	106.0
OP40703-MB1	AB84649.D	89.0	116.0	97.0	102.0
OP40703-MS	AB84651.D	98.0	114.0	103.0	109.0
OP40703-MSD	AB84652.D	99.0	115.0	104.0	109.0

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	33-141%
S2 = Decachlorobiphenyl	32-154%

Semivolatile Surrogate Recovery Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Method: SW846 8082 **Matrix:** SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) surrogate standard was not added.

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1609-CC1602	**Injection Date:**	11/03/09
Lab File ID:	2G42383.D	**Injection Time:**	16:19
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.47	2.40	8.89	9.33

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40702-MS	2G42386.D	11/03/09	17:24	2.48	2.40	8.91	9.34
OP40702-MSD	2G42387.D	11/03/09	17:38	2.48	2.41	8.91	9.34
JA31420-16	2G42388.D	11/03/09	17:53				
G2G1609-ECC1602	G42394.D	11/03/09	20:27	2.48	2.40	8.91	9.34

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1616-CC1613	**Injection Date:**	11/11/09
Lab File ID:	2G42517.D	**Injection Time:**	10:48
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.20	9.82	10.24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40853-MB1	2G42519.D	11/11/09	11:22	2.30	2.20	9.82	10.24
OP40853-BS1	2G42520.D	11/11/09	11:38	2.30	2.20	9.82	10.24
ZZZZZZ	2G42521.D	11/11/09	11:53	2.30	2.20	9.82	10.24
ZZZZZZ	2G42522.D	11/11/09	12:09	2.30	2.20	9.82	10.24
JA31420-16	2G42524.D	11/11/09	12:41	2.30	2.20	9.82	10.24
JA31420-13	2G42525.D	11/11/09	12:56	2.30	2.20	9.82	10.24
JA31420-12	2G42526.D	11/11/09	13:12	2.30	2.20	9.82	10.24
ZZZZZZ	2G42527.D	11/11/09	13:28	2.30	2.20	9.82	10.24

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1615-CC1613	**Injection Date:**	11/10/09
Lab File ID:	2G42483.D	**Injection Time:**	08:59
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.20	9.82	10.24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JA31420-8	2G42490.D	11/10/09	11:10	2.31	2.21	9.83	10.24
JA31420-9	2G42491.D	11/10/09	11:26	2.31	2.21	9.82	10.24
ZZZZZZ	2G42492.D	11/10/09	12:00	2.31	2.20	9.83	10.24
ZZZZZZ	2G42493.D	11/10/09	12:15	2.31	2.21	9.83	10.24

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1617-CC1613	**Injection Date:**	11/12/09
Lab File ID:	2G42553.D	**Injection Time:**	09:16
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.20	9.82	10.24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JA31420-11	2G42556.D	11/12/09	10:26	2.30	2.20	9.82	10.24
JA31420-14	2G42557.D	11/12/09	10:42	2.30	2.20	9.82	10.24
JA31420-15	2G42558.D	11/12/09	10:58	2.30	2.21	9.82	10.24
JA31420-17	2G42559.D	11/12/09	11:17	2.30	2.20	9.82	10.24
JA31420-18	2G42560.D	11/12/09	11:32	2.30	2.20	9.82	10.24
JA31420-19	2G42561.D	11/12/09	11:48	2.30	2.20	9.82	10.24
JA31420-20	2G42562.D	11/12/09	12:04	2.30	2.20	9.82	10.24
JA31420-21	2G42563.D	11/12/09	12:19	2.30	2.21	9.82	10.24

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1617-CC1613	**Injection Date:**	11/12/09
Lab File ID:	2G42564.D	**Injection Time:**	13:19
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.20	9.82	10.24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JA31420-25	2G42566.D	11/12/09	14:06	2.30	2.20	9.82	10.23
JA32152-1	2G42567.D	11/12/09	14:22	2.30	2.20	9.82	10.24
ZZZZZZ	2G42568.D	11/12/09	14:37	2.31	2.21	9.82	10.24
OP40853-MS	2G42569.D	11/12/09	14:53	2.30	2.20	9.82	10.24
OP40853-MSD	2G42570.D	11/12/09	15:09	2.30	2.20	9.82	10.24
ZZZZZZ	2G42571.D	11/12/09	15:33	2.30	2.20	9.82	10.23
ZZZZZZ	2G42572.D	11/12/09	15:49	2.31	2.21	9.82	10.24
ZZZZZZ	2G42573.D	11/12/09	16:04	2.31	2.20	9.82	10.23

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G2G1632-CC1629	**Injection Date:**	11/30/09
Lab File ID:	2G42922.D	**Injection Time:**	14:37
Instrument ID:	GC2G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.30	2.19	9.80	10.20

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	2G42924.D	11/30/09	15:14	2.30	2.19	9.80	10.20
ZZZZZZ	2G42925.D	11/30/09	15:29	2.30	2.19	9.80	10.20
ZZZZZZ	2G42926.D	11/30/09	15:45	2.30	2.19	9.80	10.20
OP40665-BS11	2G42927.D	11/30/09	16:02	2.30	2.19	9.80	10.20
OP40665-BS12	2G42928.D	11/30/09	16:18	2.30	2.19	9.80	10.20

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G3G1537-CC1525	**Injection Date:**	10/30/09
Lab File ID:	3G41275.D	**Injection Time:**	08:55
Instrument ID:	GC3G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.48	2.43	8.13	8.52

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40602-MB2	3G41278.D	10/30/09	10:01	2.48	2.43	8.13	8.52
OP40602-BS2	3G41279.D	10/30/09	10:14	2.48	2.43	8.12	8.52
ZZZZZZ	3G41280.D	10/30/09	10:28	2.48	2.43	8.13	8.52
ZZZZZZ	3G41281.D	10/30/09	10:41	2.48	2.43	8.13	8.52
ZZZZZZ	3G41282.D	10/30/09	10:55	2.48	2.43	8.12	8.52
JA31420-26	3G41283.D	10/30/09	11:08	2.48	2.43	8.13	8.52
ZZZZZZ	3G41284.D	10/30/09	11:22	2.48	2.43	8.12	8.52
ZZZZZZ	3G41285.D	10/30/09	11:35	2.48	2.43	8.12	8.52

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	G3G1537-CC1525	**Injection Date:**	10/30/09
Lab File ID:	3G41286.D	**Injection Time:**	13:31
Instrument ID:	GC3G	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.48	2.43	8.13	8.52

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40551-MB2	3G41287.D	10/30/09	13:44	2.48	2.43	8.12	8.52
OP40551-BS2	3G41288.D	10/30/09	13:58	2.48	2.43	8.13	8.52
ZZZZZZ	3G41289.D	10/30/09	14:11	2.51	2.46	8.16	8.53
ZZZZZZ	3G41292.D	10/30/09	15:38	2.48	2.43	8.13	8.51
ZZZZZZ	3G41293.D	10/30/09	15:51	2.48	2.43	8.12	8.52
ZZZZZZ	3G41294.D	10/30/09	16:05	2.46	2.45	8.14	8.50
G3G1537-ECC1525	3G41295.D	10/30/09	18:12	2.48	2.43	8.12	8.52

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3618-CC3611	**Injection Date:**	10/22/09
Lab File ID:	XX90560.D	**Injection Time:**	15:39
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.14	1.86	8.89	8.98

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40551-MB1	XX90562.D	10/22/09	17:18	2.14	1.86	8.90	8.98
OP40551-BS1	XX90563.D	10/22/09	17:40	2.14	1.86	8.90	8.98
OP40551-MS	XX90564.D	10/22/09	17:54	2.14	1.86	8.89	8.98
OP40551-MSD	XX90565.D	10/22/09	18:16	2.14	1.86	8.89	8.97
ZZZZZZ	XX90566.D	10/22/09	18:30	2.14	1.86	8.89	8.98
ZZZZZZ	XX90567.D	10/22/09	18:52	2.14	1.85	8.89	8.97
ZZZZZZ	XX90568.D	10/22/09	19:13	2.14	1.86	8.89	8.98
ZZZZZZ	XX90569.D	10/22/09	19:28	2.14	1.85	8.89	8.98
ZZZZZZ	XX90570.D	10/22/09	19:49	2.14	1.85	8.89	8.98
GXX3618-ECC3611	XX90571.D	10/22/09	20:26	2.14	1.86	8.90	8.98

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3624-CC3622	**Injection Date:**	10/30/09
Lab File ID:	XX90721.D	**Injection Time:**	09:19
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.08	1.80	8.78	8.86

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40665-MB1	XX90723.D	10/30/09	09:48	2.08	1.80	8.78	8.86
OP40665-BS1	XX90724.D	10/30/09	10:10	2.08	1.80	8.78	8.86
ZZZZZZ	XX90725.D	10/30/09	10:30	2.08	1.80	8.78	8.85
ZZZZZZ	XX90726.D	10/30/09	11:00	2.08	1.80	8.77	8.85
ZZZZZZ	XX90727.D	10/30/09	11:29	2.08	1.80	8.77	8.85
ZZZZZZ	XX90728.D	10/30/09	11:43	2.07	1.79	8.77	8.85
ZZZZZZ	XX90729.D	10/30/09	12:05	2.07	1.79	8.77	8.85
ZZZZZZ	XX90730.D	10/30/09	12:34	2.08	1.80	8.77	8.85
ZZZZZZ	XX90731.D	10/30/09	13:03	2.08	1.80	8.77	8.85

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3624-CC3622	**Injection Date:**	10/30/09
Lab File ID:	XX90740.D	**Injection Time:**	17:02
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.07	1.79	8.78	8.85

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40602-MS	XX90743.D	10/30/09	17:58	2.07	1.79	8.77	8.85
OP40602-MSD	XX90744.D	10/30/09	18:20	2.07	1.79	8.77	8.85
ZZZZZZ	XX90745.D	10/30/09	18:35	2.07	1.79	8.77	8.85
ZZZZZZ	XX90746.D	10/30/09	18:56	2.07	1.79	8.77	8.85
OP40604-LS5	XX90747.D	10/30/09	19:11	2.07	1.79	8.77	8.85
OP40665-MS	XX90748.D	10/30/09	19:32	0.00	0.00	0.00	0.00
OP40665-MSD	XX90749.D	10/30/09	19:47	0.00	0.00	0.00	0.00
JA31420-4	XX90750.D	10/30/09	20:08	2.07	1.79	8.77	8.85
GXX3624-ECC3622	XX90751.D	10/30/09	20:59	2.07	1.79	8.78	8.86

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3625-CC3622	**Injection Date:**	10/31/09
Lab File ID:	XX90764.D	**Injection Time:**	11:01
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.07	1.79	8.78	8.86

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	XX90767.D	10/31/09	12:12	2.07	1.79	8.77	8.85
ZZZZZZ	XX90768.D	10/31/09	12:34	2.07	1.79	8.77	8.85
ZZZZZZ	XX90769.D	10/31/09	12:48	2.07	1.79	8.77	8.85
ZZZZZZ	XX90770.D	10/31/09	13:10	2.07	1.79	8.77	8.85
JA31420-3	XX90771.D	10/31/09	13:24	2.07	1.79	8.77	8.85
JA31420-2	XX90772.D	10/31/09	13:46	2.07	1.79	8.77	8.85
JA31420-5	XX90773.D	10/31/09	14:00	2.07	1.79	8.77	8.85
JA31420-6	XX90774.D	10/31/09	14:22	2.07	1.79	8.77	8.85
GXX3625-ECC3622	XX90775.D	10/31/09	15:05	2.07	1.79	8.79	8.86

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3628-CC3622	**Injection Date:**	11/04/09
Lab File ID:	XX90857.D	**Injection Time:**	19:52
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.07	1.79	8.76	8.84

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	XX90860.D	11/04/09	21:11	2.07	1.79	8.76	8.84
ZZZZZZ	XX90861.D	11/04/09	21:33	2.07	1.79	8.76	8.84
ZZZZZZ	XX90862.D	11/04/09	21:48	2.07	1.79	8.76	8.84
ZZZZZZ	XX90863.D	11/04/09	22:09	2.07	1.79	8.77	8.84
ZZZZZZ	XX90864.D	11/04/09	22:24	2.07	1.79	8.77	8.85
JA31420-7	XX90865.D	11/04/09	22:45	2.07	1.79	8.76	8.84
JA31420-1	XX90866.D	11/04/09	23:07	2.07	1.79	8.76	8.84
JA31420-10	XX90867.D	11/04/09	23:21	2.07	1.79	8.76	8.84
GXX3628-ECC3622	XX90868.D	11/05/09	00:19	2.07	1.79	8.77	8.85

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GXX3635-CC3633	**Injection Date:**	11/12/09
Lab File ID:	XX91000.D	**Injection Time:**	09:20
Instrument ID:	GCXX	**Method:**	SW846 8081A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	1.96	1.68	8.56	8.64

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40546-MB2	XX91002.D	11/12/09	09:58	1.95	1.68	8.57	8.64
OP40546-BS2	XX91003.D	11/12/09	10:19	1.96	1.68	8.56	8.64
ZZZZZZ	XX91004.D	11/12/09	10:33	1.96	1.68	8.56	8.64
ZZZZZZ	XX91005.D	11/12/09	10:52	1.96	1.68	8.56	8.64
JA31420-22	XX91006.D	11/12/09	11:14	1.96	1.68	8.56	8.64
JA31420-23	XX91007.D	11/12/09	11:32	1.96	1.68	8.56	8.64
JA31420-24	XX91008.D	11/12/09	11:46	1.95	1.68	8.56	8.64
ZZZZZZ	XX91009.D	11/12/09	12:08	1.96	1.68	8.57	8.65
ZZZZZZ	XX91010.D	11/12/09	12:29	1.96	1.69	8.56	8.64

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GAB5388-CC5361	**Injection Date:**	10/30/09
Lab File ID:	AB84624.D	**Injection Time:**	16:39
Instrument ID:	GCAB	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.92	3.38	13.33	14.19

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40677-MB1	AB84625.D	10/30/09	17:29	2.91	3.37	13.31	14.18
OP40677-BS1	AB84626.D	10/30/09	17:52	2.91	3.37	13.33	14.19
OP40677-MS	AB84627.D	10/30/09	18:21	2.91	3.38	13.33	14.20
OP40677-MSD	AB84628.D	10/30/09	18:45	2.92	3.38	13.34	14.19
JA31382-1	AB84629.D	10/30/09	18:59	2.93	3.38	13.33	14.19
ZZZZZZ	AB84630.D	10/30/09	19:26	2.92	3.37	13.34	14.20
ZZZZZZ	AB84631.D	10/30/09	19:53	2.91	3.38	13.34	14.20
ZZZZZZ	AB84632.D	10/30/09	20:08	2.91	3.38	13.34	14.20
ZZZZZZ	AB84633.D	10/30/09	20:34	2.91	3.37	13.34	14.19
ZZZZZZ	AB84634.D	10/30/09	21:03	2.91	3.38	13.34	14.19

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GAB5388-CC5361	**Injection Date:**	10/30/09
Lab File ID:	AB84635.D	**Injection Time:**	21:46
Instrument ID:	GCAB	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.92	3.38	13.34	14.20

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JA31420-26	AB84637.D	10/30/09	22:25	2.91	3.38	13.34	14.20
ZZZZZZ	AB84638.D	10/30/09	22:50	2.91	3.38	13.34	14.20
ZZZZZZ	AB84639.D	10/30/09	23:15	2.92	3.38	13.34	14.20
ZZZZZZ	AB84640.D	10/30/09	23:44	2.91	3.38	13.34	14.20
ZZZZZZ	AB84641.D	10/31/09	00:08	2.92	3.39	13.34	14.20
ZZZZZZ	AB84642.D	10/31/09	00:22	2.92	3.38	13.34	14.20
ZZZZZZ	AB84643.D	10/31/09	00:51	2.92	3.38	13.34	14.20
ZZZZZZ	AB84644.D	10/31/09	01:05	2.92	3.38	13.35	14.20
ZZZZZZ	AB84645.D	10/31/09	01:31	2.92	3.39	13.35	14.20
GAB5388-ECC536A	AB84646.D	10/31/09	02:15	2.91	3.38	13.35	14.20

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GAB5389-CC5361	**Injection Date:**	11/02/09
Lab File ID:	AB84648.D	**Injection Time:**	10:34
Instrument ID:	GCAB	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.86	3.33	13.33	14.19

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40703-MB1	AB84649.D	11/02/09	11:03	2.87	3.33	13.33	14.19
OP40703-BS1	AB84650.D	11/02/09	11:18	2.87	3.32	13.33	14.20
OP40703-MS	AB84651.D	11/02/09	11:47	2.88	3.33	13.33	14.19
OP40703-MSD	AB84652.D	11/02/09	12:17	2.87	3.33	13.33	14.20
JA31420-16	AB84653.D	11/02/09	12:32	2.87	3.33	13.34	14.20
JA31420-11	AB84654.D	11/02/09	12:58	2.87	3.33	13.33	14.19
ZZZZZZ	AB84655.D	11/02/09	13:23	2.89	3.34	13.34	14.19
ZZZZZZ	AB84656.D	11/02/09	13:38	2.87	3.33	13.34	14.20
ZZZZZZ	AB84657.D	11/02/09	14:07	2.88	3.34	13.34	14.19
ZZZZZZ	AB84658.D	11/02/09	14:21	2.86	3.33	13.34	14.20

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GAB5389-CC5361	**Injection Date:**	11/02/09
Lab File ID:	AB84659.D	**Injection Time:**	15:19
Instrument ID:	GCAB	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.91	3.37	13.34	14.20

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JA31420-12	AB84661.D	11/02/09	16:03	2.93	3.39	13.36	14.22
JA31420-13	AB84662.D	11/02/09	16:33	2.92	3.38	13.36	14.22
JA31420-14	AB84663.D	11/02/09	17:02	2.93	3.39	13.37	14.22
JA31420-15	AB84664.D	11/02/09	17:16	2.93	3.39	13.36	14.22
JA31420-17	AB84665.D	11/02/09	17:44	2.94	3.39	13.37	14.22
JA31420-18	AB84666.D	11/02/09	17:59	2.92	3.38	13.36	14.22
JA31420-19	AB84667.D	11/02/09	18:27	2.93	3.38	13.36	14.22
JA31420-20	AB84668.D	11/02/09	18:56	2.93	3.39	13.37	14.22
JA31420-21	AB84669.D	11/02/09	19:09	2.92	3.39	13.36	14.22

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GAB5389-CC5361	**Injection Date:**	11/02/09
Lab File ID:	AB84670.D	**Injection Time:**	19:54
Instrument ID:	GCAB	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.90	3.37	13.36	14.21

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40674-MB1	AB84671.D	11/02/09	20:37	2.92	3.39	13.37	14.22
OP40674-BS1	AB84672.D	11/02/09	20:52	2.92	3.39	13.37	14.22
OP40674-MS	AB84673.D	11/02/09	21:22	2.92	3.39	13.36	14.22
OP40674-MSD	AB84674.D	11/02/09	21:48	2.92	3.39	13.37	14.22
JA31372-1	AB84675.D	11/02/09	22:14	2.92	3.38	13.36	14.21
JA31420-22	AB84676.D	11/02/09	22:28	2.92	3.39	13.36	14.22
JA31420-23	AB84677.D	11/02/09	22:58	2.93	3.39	13.37	14.21
JA31420-24	AB84678.D	11/02/09	23:13	2.92	3.39	13.36	14.22
JA31420-25	AB84679.D	11/02/09	23:42	2.93	3.39	13.37	14.22
ZZZZZZ	AB84680.D	11/02/09	23:57	2.91	3.38	13.36	14.22
GAB5389-ECC536	AB84681.D	11/03/09	01:01	2.92	3.39	13.36	14.21

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GEF3856-CC3846	**Injection Date:**	10/29/09
Lab File ID:	EF86690.D	**Injection Time:**	06:53
Instrument ID:	GCEF	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.71	2.68	10.65	11.16

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40649-MS1	EF86692.D	10/29/09	09:39	2.73	2.69	10.65	11.15
OP40649-MSD1	EF86693.D	10/29/09	10:01	2.72	2.68	10.65	11.15
JA31246-4	EF86694.D	10/29/09	10:23	2.72	2.68	10.65	11.15
OP40649-MS2	EF86695.D	10/29/09	10:45	2.72	2.69	10.65	11.15
OP40649-MSD2	EF86696.D	10/29/09	11:07	2.72	2.69	10.66	11.16
JA31246-13	EF86697.D	10/29/09	11:28	2.72	2.69	10.65	11.16
ZZZZZZ	EF86698.D	10/29/09	15:03	2.72	2.69	10.66	11.16
OP40666-MB1	EF86699.D	10/29/09	15:25	2.73	2.69	10.66	11.16

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GEF3857-CC3846	**Injection Date:**	10/29/09
Lab File ID:	EF86700.D	**Injection Time:**	16:16
Instrument ID:	GCEF	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.73	2.69	10.66	11.16

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40666-BS1	EF86702.D	10/29/09	17:59	2.73	2.69	10.66	11.16
ZZZZZZ	EF86703.D	10/29/09	18:21	2.71	2.68	10.65	11.15
ZZZZZZ	EF86704.D	10/29/09	19:05	2.72	2.69	10.66	11.16
ZZZZZZ	EF86705.D	10/29/09	19:49	2.72	2.69	10.65	11.16
ZZZZZZ	EF86706.D	10/29/09	20:33	2.72	2.69	10.65	11.16
ZZZZZZ	EF86707.D	10/29/09	21:17	2.72	2.68	10.65	11.16
ZZZZZZ	EF86708.D	10/29/09	22:01	2.72	2.68	10.65	11.16
ZZZZZZ	EF86709.D	10/29/09	22:45	2.72	2.68	10.65	11.15
JA31420-1	EF86710.D	10/29/09	23:29	2.72	2.68	10.64	11.15
JA31420-2	EF86711.D	10/29/09	23:50	2.71	2.68	10.65	11.15

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Check Std:	GEF3857-CC3846	**Injection Date:**	10/30/09
Lab File ID:	EF86712.D	**Injection Time:**	00:56
Instrument ID:	GCEF	**Method:**	SW846 8082

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	2.72	2.69	10.65	11.16

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP40666-MS	EF86714.D	10/30/09	01:40	0.00	0.00	0.00	0.00
OP40666-MSD	EF86715.D	10/30/09	02:02	0.00	0.00	0.00	0.00
JA31420-4	EF86716.D	10/30/09	02:46	2.71	2.68	10.64	11.15
JA31420-3	EF86717.D	10/30/09	03:08	2.72	2.68	10.64	11.15
JA31420-5	EF86718.D	10/30/09	03:30	2.71	2.68	10.65	11.15
JA31420-6	EF86719.D	10/30/09	03:52	2.71	2.67	10.64	11.15
JA31420-7	EF86720.D	10/30/09	04:14	2.70	2.66	10.64	11.15
JA31420-8	EF86721.D	10/30/09	04:36	2.71	2.68	10.64	11.15
JA31420-9	EF86722.D	10/30/09	04:58	2.70	2.67	10.65	11.15
JA31420-10	EF86723.D	10/30/09	05:20	2.70	2.67	10.64	11.15

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICC1602
Lab FileID: 2G42174.D

Response Factor Report GC2G

Method : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 27 09:46:53 2009

Calibration Files
2 =2G42171.D 5 =2G42172.D 10 =2G42173.D
25 =2G42174.D 50 =2G42175.D 100 =2G42176.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	4.864	4.754	4.711	4.670	4.748	4.769	4.753	E7	1.37
2)	A	alpha-BHC	6.108	6.219	6.403	6.742	7.080	7.284	6.639	E7	7.18
3)	MA	gamma-BHC	5.737	5.770	5.890	6.120	6.391	6.541	6.075	E7	5.51
4)	MA	Heptachlor	6.042	5.993	6.078	6.227	6.445	6.543	6.221	E7	3.65
5)	B	beta-BHC	2.956	2.857	2.790	2.747	2.738	2.698	2.798	E7	3.38
6)	B	delta-BHC	4.294	4.534	4.666	5.204	5.609	5.764	5.012	E7	12.04
7)	MB	Aldrin	5.612	5.657	5.773	5.923	6.149	6.236	5.892	E7	4.38
8)	B	Heptachlor Epoxide	5.593	5.513	5.526	5.586	5.746	5.798	5.627	E7	2.09
9)	B	gamma-Chlordane	5.529	5.436	5.483	5.555	5.754	5.813	5.595	E7	2.73
10)	B	alpha-Chlordane	5.408	5.329	5.289	5.300	5.395	5.517	5.373	E7	1.59
11)	A	Endosulfan I	5.235	5.204	5.224	5.283	5.410	5.510	5.311	E7	2.31
12)	B	4,4'-DDE	4.990	5.078	5.186	5.326	5.583	5.659	5.304	E7	5.12
13)	MA	Dieldrin	5.414	5.348	5.444	5.636	5.823	5.962	5.604	E7	4.40
14)	MA	Endrin	4.945	4.950	4.998	5.130	5.301	5.411	5.122	E7	3.82
15)	A	4,4'-DDD	4.369	4.505	4.568	4.750	4.918	4.957	4.678	E7	5.04
16)	B	Endosulfan II	4.749	4.654	4.607	4.759	4.897	5.000	4.778	E7	3.09
17)	MA	4,4'-DDT	3.406	3.713	3.899	4.149	4.363	4.475	4.001	E7	10.15
18)	B	Endrin Aldehyde	4.200	4.089	3.948	3.948	4.112	4.204	4.083	E7	2.81
19)	B	Endosulfan Sulfate	2.905	3.222	3.164	3.240	3.416	3.529	3.246	E7	6.64
20)	A	Methoxychlor	2.206	2.265	2.229	2.210	2.276	2.253	2.240	E7	1.31
21)		Mirex	4.313	4.486	4.126	3.872	3.871	3.789	4.076	E7	6.88
22)	B	Endrin Ketone	4.276	4.264	4.271	4.377	4.584	4.667	4.407	E7	4.01
23)		Dacthal	4.874	4.568	4.389	4.308	4.329	4.264	4.607	E7	9.82
24)		2,4'-DDE	3.292	3.114	3.018	2.951	2.942	2.867	3.075	E7	5.95
25)		Chlorbenside	4.509	4.181	4.167	4.129	4.201	4.320	4.240	E7	3.14
26)		2,4'-DDD	3.492	3.392	3.299	3.373	3.383	3.307	3.401	E7	2.80
27)		2,4'-DDT	3.673	3.549	3.618	3.623	3.654	3.643	3.659	E7	2.57
28)	L8	Toxaphene{A}					1.809		1.809	E6	0.00
29)	L8	Toxaphene{B}					2.411		2.411	E6	0.00
30)	L8	Toxaphene{C}					2.900		2.900	E6	0.00
31)	L8	Toxaphene{D}					1.611		1.611	E6	0.00
32)	L8	Toxaphene{E}					1.560		1.560	E6	0.00
33)		Chlordane {A}					6.925		6.925	E6	0.00
34)		Chlordane {B}					3.815		3.815	E6	0.00
35)		Chlordane {C}					5.076		5.076	E5	0.00
36)		Chlordane {D}					1.080		1.080	E5	0.00
37)		Chlordane {E}					3.595		3.595	E6	0.00
38)	SA	Decachlorobiphenyl	4.083	4.117	3.973	3.852	3.844	3.779	3.941	E7	3.52

Signal #2 Calibration Files
2 =2G42171.D 5 =2G42172.D 10 =2G42173.D
25 =2G42174.D 50 =2G42175.D 100 =2G42176.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	1.347	1.278	1.221	1.171	1.171	1.160	1.225	E8	6.09
2)	A	alpha-BHC	1.617	1.527	1.482	1.477	1.518	1.550	1.528	E8	3.36
3)	MA	gamma-BHC	1.356	1.275	1.248	1.226	1.250	1.282	1.273	E8	3.58

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICC1602
Lab FileID: 2G42174.D

4)	MA	Heptachlor	1.315	1.168	1.133	1.054	1.051	1.061	1.130	E8	9.05
5)	B	beta-BHC	6.755	6.220	6.065	5.654	5.556	5.443	5.949	E7	8.35
6)	B	delta-BHC	1.088	1.002	0.948	0.981	1.029	1.077	1.021	E8	5.37
7)	MB	Aldrin	1.511	1.420	1.353	1.308	1.313	1.304	1.368	E8	6.03
8)	B	Heptachlor Epoxide	1.308	1.220	1.157	1.106	1.089	1.107	1.165	E8	7.32
9)	B	gamma-Chlordane	1.371	1.281	1.018	1.166	1.151	0.951	1.156	E8	13.56
10)	B	alpha-Chlordane	1.239	1.141	0.974	0.930	0.910	0.897	1.015	E8	13.92
11)	A	Endosulfan I	1.191	1.087	1.121	1.070	1.050	1.060	1.096	E8	4.79
12)	B	4,4'-DDE	1.090	1.094	1.076	1.006	0.891	0.905	1.010	E8	9.17
13)	MA	Dieldrin	1.153	1.187	0.990	0.945	0.947	0.961	1.031	E8	10.65
14)	MA	Endrin	1.033	0.942	0.914	0.859	0.861	0.871	0.913	E8	7.37
15)	A	4,4'-DDD	8.995	8.481	8.215	7.658	7.502	7.675	8.088	E7	7.19
16)	B	Endosulfan II	1.015	0.922	0.889	0.811	0.806	0.819	0.877	E8	9.43
17)	MA	4,4'-DDT	7.721	7.293	7.568	7.055	7.068	7.147	7.309	E7	3.80
18)	B	Endrin Aldehyde	9.478	8.253	7.715	6.915	6.894	7.027	7.714	E7	13.20
19)	B	Endosulfan Sulfate	7.247	6.577	6.257	5.976	5.913	6.087	6.343	E7	7.93
20)	A	Methoxychlor	4.379	4.112	4.023	3.904	3.795	3.676	3.981	E7	6.26
21)		Mirex	8.029	7.212	6.881	6.161	5.919	5.738	6.657	E7	13.23
22)	B	Endrin Ketone	8.770	8.118	7.858	7.685	7.842	7.930	8.034	E7	4.82
23)		Dacthal	1.113	0.997	0.894	0.858	0.821	0.797	0.938	E8	13.66
24)		2,4'-DDE	6.012	5.519	5.049	4.723	4.361	4.264	5.146	E7	14.56
25)		Chlorbenside	1.033	0.944	0.908	0.877	0.836	0.794	0.905	E8	8.70
26)		2,4'-DDD	8.041	7.165	6.568	6.078	5.718	5.545	6.826	E7	17.42
27)		2,4'-DDT	8.068	7.490	6.633	6.037	5.764		7.050	E7	15.09
28)	L8	Toxaphene{A}					5.718		5.718	E6	0.00
29)	L8	Toxaphene{B}					2.145		2.145	E6	0.00
30)	L8	Toxaphene{C}					4.271		4.271	E6	0.00
31)	L8	Toxaphene{D}					2.537		2.537	E6	0.00
32)	L8	Toxaphene{E}					2.074		2.074	E6	0.00
33)		Chlordane {A}					1.125		1.125	E7	0.00
34)		Chlordane {B}					6.032		6.032	E6	0.00
35)		Chlordane {C}					4.361		4.361	E6	0.00
36)		Chlordane {D}					5.142		5.142	E7	0.00
37)		Chlordane {E}					5.764		5.764	E6	0.00
38)	SA	Decachlorobiphenyl	6.845	6.668	6.029	5.549	5.376	5.185	5.942	E7	11.66

(#) = Out of Range ### Number of calibration levels exceeded format ###

PST1602.M Tue Oct 27 09:49:06 2009 GC2GI

7.7.1

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42186.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1602\2G42186.D\ECD1A.CH    Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\1602\2G42186.D\ECD2B.CH
Acq On    : 10-26-09 03:09:05 PM                     Operator: jene
Sample    : icv1602-25                               Inst    : GC2G
Misc      : OP40473,G2G1602,950,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 27 09:46:53 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	47.528	48.175 E6	-1.4	103	0.00	2.46- 2.52
2	A	alpha-BHC	66.392	70.421 E6	-6.1	104	0.00	3.00- 3.06
3	MA	gamma-BHC	60.748	63.613 E6	-4.7	104	0.00	3.31- 3.37
4	MA	Heptachlor	62.213	64.142 E6	-3.1	103	0.00	3.79- 3.85
5	B	beta-BHC	27.977	28.771 E6	-2.8	105	0.00	3.39- 3.45
6	B	delta-BHC	50.118	55.720 E6	-11.2	107	0.00	3.58- 3.64
7	MB	Aldrin	58.917	61.098 E6	-3.7	103	0.00	4.11- 4.17
8	B	Heptachlor Epoxide	56.270	58.810 E6	-4.5	105	0.00	4.78- 4.84
9	B	gamma-Chlordane	55.948	60.234 E6	-7.7	108	0.00	4.92- 4.98
10	B	alpha-Chlordane	53.733	56.598 E6	-5.3	107	0.00	5.07- 5.13
11	A	Endosulfan I	53.110	56.917 E6	-7.2	108	0.00	5.23- 5.29
12	B	4,4'-DDE	53.037	55.633 E6	-4.9	104	0.00	5.16- 5.22
13	MA	Dieldrin	56.043	60.707 E6	-8.3	108	0.00	5.52- 5.58
14	MA	Endrin	51.224	53.872 E6	-5.2	105	0.00	5.79- 5.86
15	A	4,4'-DDD	46.780	49.417 E6	-5.6	104	0.00	5.87- 5.94
16	B	Endosulfan II	47.777	49.264 E6	-3.1	104	0.00	6.07- 6.13
17	MA	4,4'-DDT	40.009	40.160 E6	-0.4	97	0.00	6.22- 6.28
18	B	Endrin Aldehyde	40.834	36.865 E6	9.7	93	0.00	6.60- 6.66
19	B	Endosulfan Sulfate	32.462	33.695 E6	-3.8	104	0.00	7.16- 7.22
20	A	Methoxychlor	22.400	22.961 E6	-2.5	104	0.00	6.84- 6.90
21		Mirex	40.761	38.260 E6	6.1	99	0.00	7.02- 7.08
22	B	Endrin Ketone	44.066	44.198 E6	-0.3	101	0.00	7.53- 7.59
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	39.414	39.098 E6	0.8	101	0.00	8.89- 8.95

***** Signal #2 *****

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42186.D

1	SAB	Tetrachloro-m-xylene	122.463	121.898 E6	0.5	104	0.00	2.39- 2.45
2	A	alpha-BHC	152.844	153.374 E6	-0.3	104	0.00	2.97- 3.03
3	MA	gamma-BHC	127.291	126.109 E6	0.9	103	0.00	3.31- 3.37
4	MA	Heptachlor	113.023	110.283 E6	2.4	105	0.00	3.76- 3.82
5	B	beta-BHC	59.489	58.443 E6	1.8	103	0.00	3.39- 3.45
6	B	delta-BHC	102.097	104.040 E6	-1.9	106	0.00	3.69- 3.75
7	MB	Aldrin	136.805	136.502 E6	0.2	104	0.00	4.10- 4.16
8	B	Heptachlor Epoxide	116.460	115.982 E6	0.4	105	0.00	4.73- 4.79
9	B	gamma-Chlordane	115.630	126.977 E6	-9.8	109	0.00	4.94- 5.00
10	B	alpha-Chlordane	101.503	100.974 E6	0.5	109	0.00	5.11- 5.18
11	A	Endosulfan I	109.646	112.361 E6	-2.5	105	0.00	5.17- 5.24
12	B	4,4'-DDE	101.024	104.305 E6	-3.2	104	0.00	5.31- 5.38
13	MA	Dieldrin	103.053	101.276 E6	1.7	107	0.00	5.51- 5.57
14	MA	Endrin	91.332	90.626 E6	0.8	106	0.00	5.87- 5.94
15	A	4,4'-DDD	80.876	78.823 E6	2.5	103	0.00	6.03- 6.09
16	B	Endosulfan II	87.705	83.746 E6	4.5	103	0.00	6.14- 6.20
17	MA	4,4'-DDT	73.086	68.812 E6	5.8	98	0.00	6.42- 6.48
18	B	Endrin Aldehyde	77.138	65.813 E6	14.7	95	0.00	6.56- 6.63
19	B	Endosulfan Sulfate	63.429	60.038 E6	5.3	100	0.00	6.92- 6.98
20	A	Methoxychlor	39.814	38.586 E6	3.1	99	0.00	7.33- 7.39
21		Mirex	66.568	59.723 E6	10.3	97	0.00	7.56- 7.62
22	B	Endrin Ketone	80.338	80.754 E6	-0.5	105	0.00	7.62- 7.69
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	59.418	57.735 E6	2.8	104	0.00	9.33- 9.39

Average % D = 4.0

(0.0 %) 0 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42174.D PST1602.M Thu Oct 29 14:54:47 2009 GC2GI

7.7.2

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42187.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1602\2G42187.D\ECD1A.CH    Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\1602\2G42187.D\ECD2B.CH
Acq On    : 10-26-09 03:23:22 PM                    Operator: jene
Sample    : icv1602-10 ddd dde ddt                  Inst    : GC2G
Misc      : OP40473,G2G1602,950,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 27 09:46:53 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene		----------NA----------				
2	A	alpha-BHC		----------NA----------				
3	MA	gamma-BHC		----------NA----------				
4	MA	Heptachlor		----------NA----------				
5	B	beta-BHC		----------NA----------				
6	B	delta-BHC		----------NA----------				
7	MB	Aldrin		----------NA----------				
8	B	Heptachlor Epoxide		----------NA----------				
9	B	gamma-Chlordane		----------NA----------				
10	B	alpha-Chlordane		----------NA----------				
11	A	Endosulfan I		----------NA----------				
12	B	4,4'-DDE		----------NA----------				
13	MA	Dieldrin		----------NA----------				
14	MA	Endrin		----------NA----------				
15	A	4,4'-DDD		----------NA----------				
16	B	Endosulfan II		----------NA----------				
17	MA	4,4'-DDT		----------NA----------				
18	B	Endrin Aldehyde		----------NA----------				
19	B	Endosulfan Sulfate		----------NA----------				
20	A	Methoxychlor		----------NA----------				
21		Mirex		----------NA----------				
22	B	Endrin Ketone		----------NA----------				
23		Dacthal		----------NA----------				
24		2,4'-DDE	30.753	38.452 E6	-25.0#	127	-0.01	4.76- 4.82
25		Chlorbenside		----------NA----------				
26		2,4'-DDD	34.011	37.811 E6	-11.2	115	-0.03	5.36- 5.42
27		2,4'-DDT	36.590	39.609 E6	-8.3	109	-0.02	5.67- 5.73
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl		----------NA----------				

***** Signal #2 *****

7.7.3

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42187.D

1	SAB	Tetrachloro-m-xylene		----------NA----------				
2	A	alpha-BHC		----------NA----------				
3	MA	gamma-BHC		----------NA----------				
4	MA	Heptachlor		----------NA----------				
5	B	beta-BHC		----------NA----------				
6	B	delta-BHC		----------NA----------				
7	MB	Aldrin		----------NA----------				
8	B	Heptachlor Epoxide		----------NA----------				
9	B	gamma-Chlordane		----------NA----------				
10	B	alpha-Chlordane		----------NA----------				
11	A	Endosulfan I		----------NA----------				
12	B	4,4'-DDE		----------NA----------				
13	MA	Dieldrin		----------NA----------				
14	MA	Endrin		----------NA----------				
15	A	4,4'-DDD		----------NA----------				
16	B	Endosulfan II		----------NA----------				
17	MA	4,4'-DDT		----------NA----------				
18	B	Endrin Aldehyde		----------NA----------				
19	B	Endosulfan Sulfate		----------NA----------				
20	A	Methoxychlor		----------NA----------				
21		Mirex		----------NA----------				
22	B	Endrin Ketone		----------NA----------				
23		Dacthal		----------NA----------				
24		2,4'-DDE	51.462	88.730 E6	-72.4#	176#	0.00	4.95- 5.01
25		Chlorbenside		----------NA----------				
26		2,4'-DDD	68.265	76.068 E6	-11.4	116	0.00	5.56- 5.62
27		2,4'-DDT	70.497	74.029 E6	-5.0	112	0.00	5.93- 5.99
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl		----------NA----------				

Average % D = 22.2

(33.3 %) 2 of 6 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42173.D PST1602.M Thu Oct 29 14:56:06 2009 GC2GI

7.7.3

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42188.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1602\2G42188.D\ECD1A.CH    Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\1602\2G42188.D\ECD2B.CH
Acq On    : 10-26-09 03:37:31 PM                    Operator: jene
Sample    : icv1602-25 chlorB                       Inst    : GC2G
Misc      : OP40473,G2G1602,950,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 27 09:46:53 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene		----------NA----------				
2	A	alpha-BHC		----------NA----------				
3	MA	gamma-BHC		----------NA----------				
4	MA	Heptachlor		----------NA----------				
5	B	beta-BHC		----------NA----------				
6	B	delta-BHC		----------NA----------				
7	MB	Aldrin		----------NA----------				
8	B	Heptachlor Epoxide		----------NA----------				
9	B	gamma-Chlordane		----------NA----------				
10	B	alpha-Chlordane		----------NA----------				
11	A	Endosulfan I		----------NA----------				
12	B	4,4'-DDE		----------NA----------				
13	MA	Dieldrin		----------NA----------				
14	MA	Endrin		----------NA----------				
15	A	4,4'-DDD		----------NA----------				
16	B	Endosulfan II		----------NA----------				
17	MA	4,4'-DDT		----------NA----------				
18	B	Endrin Aldehyde		----------NA----------				
19	B	Endosulfan Sulfate		----------NA----------				
20	A	Methoxychlor		----------NA----------				
21		Mirex		----------NA----------				
22	B	Endrin Ketone		----------NA----------				
23		Dacthal	46.067	44.845 E6	2.7	104	0.00	4.72- 4.78
24		2,4'-DDE		----------NA----------				
25		Chlorbenside	42.399	36.505 E6	13.9	88	0.00	4.80- 4.86
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl		----------NA----------				

***** Signal #2 *****

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1602-ICV1602
Lab FileID: 2G42188.D

1	SAB	Tetrachloro-m-xylene		----------NA----------				
2	A	alpha-BHC		----------NA----------				
3	MA	gamma-BHC		----------NA----------				
4	MA	Heptachlor		----------NA----------				
5	B	beta-BHC		----------NA----------				
6	B	delta-BHC		----------NA----------				
7	MB	Aldrin		----------NA----------				
8	B	Heptachlor Epoxide		----------NA----------				
9	B	gamma-Chlordane		----------NA----------				
10	B	alpha-Chlordane		----------NA----------				
11	A	Endosulfan I		----------NA----------				
12	B	4,4'-DDE		----------NA----------				
13	MA	Dieldrin		----------NA----------				
14	MA	Endrin		----------NA----------				
15	A	4,4'-DDD		----------NA----------				
16	B	Endosulfan II		----------NA----------				
17	MA	4,4'-DDT		----------NA----------				
18	B	Endrin Aldehyde		----------NA----------				
19	B	Endosulfan Sulfate		----------NA----------				
20	A	Methoxychlor		----------NA----------				
21		Mirex		----------NA----------				
22	B	Endrin Ketone		----------NA----------				
23		Dacthal	93.842	86.106 E6	8.2	100	0.00	4.44- 4.50
24		2,4'-DDE		----------NA----------				
25		Chlorbenside	90.542	70.048 E6	22.6#	80	0.00	4.98- 5.04
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl		----------NA----------				

Average % D = 11.9

(25.0 %) 1 of 4 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42174.D PST1602.M Thu Oct 29 14:55:40 2009 GC2GI

7.7.4

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1609-CC1602
Lab FileID: 2G42383.D

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1609\2G42383.D\ECD1A.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\1609\2G42383.D\ECD2B.CH
Acq On : 11-3-09 04:19:38 PM Operator: jene
Sample : cc1602-10 Inst : GC2G
Misc : OP40688,G2G1609,930,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 27 09:46:53 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	47.528	44.900 E6	5.5	95	-0.01	2.44- 2.50
2	A	alpha-BHC	66.392	63.923 E6	3.7	100	-0.02	2.98- 3.04
3	MA	gamma-BHC	60.748	58.877 E6	3.1	100	-0.02	3.29- 3.35
4	MA	Heptachlor	62.213	57.945 E6	6.9	95	-0.02	3.77- 3.83
5	B	beta-BHC	27.977	25.220 E6	9.9	90	-0.02	3.38- 3.44
6	B	delta-BHC	50.118	53.230 E6	-6.2	114	-0.02	3.56- 3.62
7	MB	Aldrin	58.917	54.796 E6	7.0	95	-0.02	4.09- 4.15
8	B	Heptachlor Epoxide	56.270	52.343 E6	7.0	95	-0.02	4.75- 4.81
9	B	gamma-Chlordane	55.948	52.025 E6	7.0	95	-0.02	4.90- 4.96
10	B	alpha-Chlordane	53.733	50.335 E6	6.3	95	-0.02	5.05- 5.11
11	A	Endosulfan I	53.110	50.577 E6	4.8	97	-0.03	5.21- 5.27
12	B	4,4'-DDE	53.037	47.617 E6	10.2	92	-0.02	5.13- 5.19
13	MA	Dieldrin	56.043	52.824 E6	5.7	97	-0.03	5.49- 5.55
14	MA	Endrin	51.224	47.083 E6	8.1	94	-0.03	5.77- 5.84
15	A	4,4'-DDD	46.780	45.568 E6	2.6	100	-0.03	5.85- 5.92
16	B	Endosulfan II	47.777	46.228 E6	3.2	100	-0.03	6.05- 6.11
17	MA	4,4'-DDT	40.009	35.838 E6	10.4	92	-0.03	6.20- 6.26
18	B	Endrin Aldehyde	40.834	39.186 E6	4.0	99	-0.03	6.57- 6.63
19	B	Endosulfan Sulfate	32.462	40.460 E6	-24.6#	128	-0.03	7.13- 7.19
20	A	Methoxychlor	22.400	21.050 E6	6.0	94	-0.03	6.81- 6.87
21		Mirex	40.761	38.263 E6	6.1	93	-0.03	6.99- 7.05
22	B	Endrin Ketone	44.066	50.994 E6	-15.7#	119	-0.03	7.50- 7.56
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	39.414	36.956 E6	6.2	93	-0.03	8.86- 8.92

***** Signal #2 *****

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1609-CC1602
Lab FileID: 2G42383.D

1	SAB	Tetrachloro-m-xylene	122.463	114.368 E6	6.6	94	-0.01	2.37- 2.43
2	A	alpha-BHC	152.844	159.080 E6	-4.1	107	-0.02	2.95- 3.01
3	MA	gamma-BHC	127.291	141.017 E6	-10.8	113	-0.02	3.29- 3.35
4	MA	Heptachlor	113.023	126.759 E6	-12.2	112	-0.02	3.74- 3.80
5	B	beta-BHC	59.489	62.131 E6	-4.4	102	-0.02	3.37- 3.43
6	B	delta-BHC	102.097	122.560 E6	-20.0#	129	-0.02	3.67- 3.73
7	MB	Aldrin	136.805	132.750 E6	3.0	98	-0.02	4.08- 4.14
8	B	Heptachlor Epoxide	116.460	119.394 E6	-2.5	103	-0.03	4.70- 4.76
9	B	gamma-Chlordane	115.630	117.833 E6	-1.9	116	-0.03	4.92- 4.98
10	B	alpha-Chlordane	101.503	102.232 E6	-0.7	105	-0.03	5.08- 5.15
11	A	Endosulfan I	109.646	120.973 E6	-10.3	108	-0.03	5.15- 5.22
12	B	4,4'-DDE	101.024	110.250 E6	-9.1	102	-0.03	5.29- 5.36
13	MA	Dieldrin	103.053	99.228 E6	3.7	100	-0.03	5.48- 5.54
14	MA	Endrin	91.332	103.982 E6	-13.9	114	-0.03	5.84- 5.91
15	A	4,4'-DDD	80.876	94.936 E6	-17.4#	116	-0.03	6.00- 6.06
16	B	Endosulfan II	87.705	86.939 E6	0.9	98	-0.03	6.11- 6.17
17	MA	4,4'-DDT	73.086	65.179 E6	10.8	86	-0.03	6.39- 6.45
18	B	Endrin Aldehyde	77.138	79.912 E6	-3.6	104	-0.03	6.53- 6.60
19	B	Endosulfan Sulfate	63.429	70.893 E6	-11.8	113	-0.03	6.89- 6.95
20	A	Methoxychlor	39.814	33.349 E6	16.2#	83	-0.03	7.30- 7.36
21		Mirex	66.568	86.690 E6	-30.2#	126	0.02	7.59- 7.65
22	B	Endrin Ketone	80.338	86.690 E6	-7.9	110	-0.03	7.58- 7.65
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	59.418	54.741 E6	7.9	91	-0.03	9.30- 9.36

Average % D = 8.3

(13.0 %) 6 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42173.D PST1602.M Wed Nov 04 08:46:08 2009 GC2GI

7.7.5

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1609-ECC1602
Lab FileID: 2G42394.D

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1609\2G42394.D\ECD1A.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\1609\2G42394.D\ECD2B.CH
Acq On : 11-3-09 08:27:41 PM Operator: jene
Sample : ecc1602-25 Inst : GC2G
Misc : OP40702,G2G1609,17.1,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\PST1602.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 27 09:46:53 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	47.528	49.535 E6	-4.2	106	0.00	2.45- 2.51
2	A	alpha-BHC	66.392	74.661 E6	-12.5	111	0.00	2.99- 3.05
3	MA	gamma-BHC	60.748	67.268 E6	-10.7	110	0.00	3.31- 3.37
4	MA	Heptachlor	62.213	65.702 E6	-5.6	106	0.00	3.79- 3.85
5	B	beta-BHC	27.977	28.229 E6	-0.9	103	0.00	3.39- 3.45
6	B	delta-BHC	50.118	64.294 E6	-28.3#	124	0.00	3.57- 3.63
7	MB	Aldrin	58.917	64.044 E6	-8.7	108	0.00	4.11- 4.17
8	B	Heptachlor Epoxide	56.270	59.418 E6	-5.6	106	0.00	4.77- 4.83
9	B	gamma-Chlordane	55.948	59.036 E6	-5.5	106	0.00	4.91- 4.97
10	B	alpha-Chlordane	53.733	56.630 E6	-5.4	107	0.00	5.07- 5.13
11	A	Endosulfan I	53.110	57.538 E6	-8.3	109	0.00	5.23- 5.29
12	B	4,4'-DDE	53.037	55.757 E6	-5.1	105	0.00	5.15- 5.21
13	MA	Dieldrin	56.043	60.995 E6	-8.8	108	0.00	5.51- 5.57
14	MA	Endrin	51.224	53.438 E6	-4.3	104	0.00	5.79- 5.86
15	A	4,4'-DDD	46.780	53.132 E6	-13.6	112	0.00	5.87- 5.94
16	B	Endosulfan II	47.777	48.947 E6	-2.4	103	0.00	6.07- 6.13
17	MA	4,4'-DDT	40.009	40.123 E6	-0.3	97	0.00	6.22- 6.28
18	B	Endrin Aldehyde	40.834	41.879 E6	-2.6	106	0.00	6.59- 6.65
19	B	Endosulfan Sulfate	32.462	44.313 E6	-36.5#	137	0.00	7.15- 7.21
20	A	Methoxychlor	22.400	21.360 E6	4.6	97	0.00	6.83- 6.89
21		Mirex	40.761	40.061 E6	1.7	103	0.00	7.01- 7.07
22	B	Endrin Ketone	44.066	57.028 E6	-29.4#	130	0.00	7.52- 7.58
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	39.414	38.096 E6	3.3	99	0.00	8.88- 8.94

***** Signal #2 *****

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1609-ECC1602
Lab FileID: 2G42394.D

1	SAB	Tetrachloro-m-xylene	122.463	122.774 E6	-0.3	105	-0.02	2.37- 2.43
2	A	alpha-BHC	152.844	173.151 E6	-13.3	117	-0.02	2.95- 3.01
3	MA	gamma-BHC	127.291	147.402 E6	-15.8#	120	-0.02	3.30- 3.36
4	MA	Heptachlor	113.023	126.069 E6	-11.5	120	-0.02	3.74- 3.80
5	B	beta-BHC	59.489	65.737 E6	-10.5	116	-0.01	3.37- 3.43
6	B	delta-BHC	102.097	129.517 E6	-26.9#	132	-0.01	3.67- 3.73
7	MB	Aldrin	136.805	137.686 E6	-0.6	105	-0.02	4.08- 4.14
8	B	Heptachlor Epoxide	116.460	121.131 E6	-4.0	110	-0.02	4.71- 4.77
9	B	gamma-Chlordane	115.630	125.190 E6	-8.3	107	-0.02	4.93- 4.99
10	B	alpha-Chlordane	101.503	107.849 E6	-6.3	116	-0.02	5.09- 5.16
11	A	Endosulfan I	109.646	124.074 E6	-13.2	116	-0.02	5.16- 5.23
12	B	4,4'-DDE	101.024	111.531 E6	-10.4	111	-0.02	5.30- 5.37
13	MA	Dieldrin	103.053	121.537 E6	-17.9#	129	-0.02	5.49- 5.55
14	MA	Endrin	91.332	101.228 E6	-10.8	118	-0.02	5.85- 5.92
15	A	4,4'-DDD	80.876	88.745 E6	-9.7	116	-0.02	6.01- 6.07
16	B	Endosulfan II	87.705	102.702 E6	-17.1#	127	-0.02	6.12- 6.18
17	MA	4,4'-DDT	73.086	63.208 E6	13.5	90	-0.02	6.40- 6.46
18	B	Endrin Aldehyde	77.138	80.395 E6	-4.2	116	-0.02	6.54- 6.61
19	B	Endosulfan Sulfate	63.429	69.148 E6	-9.0	116	-0.02	6.90- 6.96
20	A	Methoxychlor	39.814	31.814 E6	20.1#	81	-0.02	7.31- 7.37
21		Mirex	66.568	55.876 E6	16.1#	91	-0.02	7.54- 7.60
22	B	Endrin Ketone	80.338	92.894 E6	-15.6#	121	-0.02	7.59- 7.66
23		Dacthal		----------NA----------				
24		2,4'-DDE		----------NA----------				
25		Chlorbenside		----------NA----------				
26		2,4'-DDD		----------NA----------				
27		2,4'-DDT		----------NA----------				
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33		Chlordane {A}		----------NA----------				
34		Chlordane {B}		----------NA----------				
35		Chlordane {C}		----------NA----------				
36		Chlordane {D}		----------NA----------				
37		Chlordane {E}		----------NA----------				
38	SA	Decachlorobiphenyl	59.418	54.069 E6	9.0	97	-0.02	9.31- 9.37

Average % D = 10.3

(21.7 %) 10 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42174.D PST1602.M Wed Nov 04 09:06:36 2009 GC2GI

7.7.6

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1613-ICC1613
Lab FileID: 2G42454.D

Response Factor Report GC2G

Method : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 10 10:14:01 2009

Calibration Files
2 =2G42451.D 5 =2G42452.D 10 =2G42453.D
25 =2G42454.D 50 =2G42455.D 100 =2G42456.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	6.940	4.998	5.579	5.342	5.358	5.404	5.603	E7	12.16
2)	A	alpha-BHC	7.274	7.404	7.331	7.711	7.657	7.701	7.513	E7	2.64
3)	MA	gamma-BHC	6.563	6.887	6.559	6.863	6.816	6.877	6.761	E7	2.32
4)	MA	Heptachlor	5.568	6.988	6.509	6.837	6.815	6.990	6.618	E7	8.21
5)	B	beta-BHC	4.237	3.298	2.872	2.844	2.888	2.854	3.165	E7	17.47
6)	B	delta-BHC	6.197	5.639	5.247	5.471	5.578	5.613	5.624	E7	5.60
7)	MB	Aldrin	6.652	6.326	6.343	6.477	6.537	6.646	6.497	E7	2.19
8)	B	Heptachlor Epoxide	5.890	5.903	5.980	6.177	6.153	6.209	6.052	E7	2.39
9)	B	gamma-Chlordane	5.983	5.906	5.989	6.118	6.119	6.217	6.055	E7	1.90
10)	B	alpha-Chlordane	6.354	5.681	5.659	5.650	5.764	5.828	5.823	E7	4.62
11)	A	Endosulfan I	5.268	5.372	5.669	5.829	5.699	5.796	5.605	E7	4.13
12)	B	4,4'-DDE	5.867	5.730	5.539	5.944	5.928	6.021	5.838	E7	3.01
13)	MA	Dieldrin	6.113	6.339	6.293	6.448	6.323	6.433	6.325	E7	1.91
14)	MA	Endrin	5.263	5.116	5.217	5.553	5.403	5.508	5.343	E7	3.23
15)	A	4,4'-DDD	4.412	4.655	4.550	4.975	4.920	5.033	4.758	E7	5.34
16)	B	Endosulfan II	4.302	4.507	4.681	5.010	5.348	5.338	4.864	E7	9.00
17)	MA	4,4'-DDT	4.530	3.830	3.839	4.279	4.433	4.592	4.250	E7	7.98
18)	B	Endrin Aldehyde	4.156	4.211	4.147	4.508	4.472	4.580	4.346	E7	4.49
19)	B	Endosulfan Sulfate	3.715	4.283	4.572	4.148	4.132	4.181	4.172	E7	6.63
20)	A	Methoxychlor	2.164	2.064	1.797	1.879	2.009	2.030	1.990	E7	6.63
21)		Mirex	3.524	4.808	4.256	4.139	4.127	4.097	4.158	E7	9.85
22)	B	Endrin Ketone	6.057	5.382	5.534	5.644	5.493	5.513	5.604	E7	4.23
23)	L8	Toxaphene{A}					1.496		1.496	E6	0.00
24)	L8	Toxaphene{B}					2.069		2.069	E6	0.00
25)	L8	Toxaphene{C}					2.592		2.592	E6	0.00
26)	L8	Toxaphene{D}					1.753		1.753	E6	0.00
27)	L8	Toxaphene{E}					1.634		1.634	E6	0.00
28)		Chlordane {A}					3.742		3.742	E6	0.00
29)		Chlordane {B}					1.791		1.791	E6	0.00
30)		Chlordane {C}					8.222		8.222	E6	0.00
31)		Chlordane {D}					1.328		1.328	E7	0.00
32)		Chlordane {E}					1.948		1.948	E6	0.00
33)	SA	Decachlorobiphenyl	3.881	3.791	3.930	4.248	4.027	4.093	3.995	E7	4.09

Signal #2 Calibration Files
2 =2G42451.D 5 =2G42452.D 10 =2G42453.D
25 =2G42454.D 50 =2G42455.D 100 =2G42456.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	1.162	1.355	1.259	1.292	1.237	1.225	1.255	E8	5.17
2)	A	alpha-BHC	1.952	1.945	1.867	1.865	1.784	1.774	1.865	E8	4.07
3)	MA	gamma-BHC	1.878	1.742	1.696	1.652	1.608	1.585	1.693	E8	6.31
4)	MA	Heptachlor	1.922	1.626	1.679	1.637	1.551	1.533	1.658	E8	8.47
5)	B	beta-BHC	9.085	7.821	8.287	7.858	6.973	6.731	7.792	E7	11.07
6)	B	delta-BHC	2.440	1.594	1.501	1.373	1.341	1.311	1.593	E8	26.88
7)	MB	Aldrin	1.813	1.722	1.713	1.581	1.479	1.459	1.628	E8	8.83
8)	B	Heptachlor Epoxide	1.653	1.710	1.544	1.416	1.348	1.330	1.500	E8	10.67

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1613-ICC1613
Lab FileID: 2G42454.D

9)	B	gamma-Chlordane	1.590	1.666	1.367	1.361	1.352	1.312	1.441	E8	10.25
10)	B	alpha-Chlordane	1.484	1.499	1.443	1.322	1.276	1.243	1.378	E8	8.07
11)	A	Endosulfan I	1.141	1.833	1.549	1.341	1.276	1.226	1.394	E8	18.32
12)	B	4,4'-DDE	1.590	1.740	1.421	1.483	1.330	1.316	1.480	E8	10.99
13)	MA	Dieldrin	1.723	1.561	1.442	1.411	1.346	1.309	1.465	E8	10.48
14)	MA	Endrin	1.366	1.435	1.278	1.221	1.174	1.142	1.269	E8	8.93
15)	A	4,4'-DDD	1.360	1.146	1.107	1.109	1.071	1.053	1.141	E8	9.82
16)	B	Endosulfan II	1.387	1.313	1.184	1.178	1.136	1.113	1.218	E8	8.84
17)	MA	4,4'-DDT	9.011	9.516	9.560	9.837	9.503	9.598	9.504	E7	2.85
18)	B	Endrin Aldehyde	1.152	1.060	0.970	0.961	0.941	0.921	1.001	E8	8.81
19)	B	Endosulfan Sulfate	1.224	1.091	0.982	0.933	0.900	0.848	0.996	E8	13.91
20)	A	Methoxychlor	5.729	4.433	4.843	4.480	4.863	4.753	4.850	E7	9.64
21)		Mirex	1.399	1.006	0.910	0.850	0.800	0.761	0.954	E8	24.54
22)	B	Endrin Ketone	1.523	1.255	1.145	1.117	1.074	1.036	1.191	E8	15.00
23)	L8	Toxaphene{A}					1.826		1.826	E6	0.00
24)	L8	Toxaphene{B}					3.491		3.491	E6	0.00
25)	L8	Toxaphene{C}					6.673		6.673	E6	0.00
26)	L8	Toxaphene{D}					4.531		4.531	E6	0.00
27)	L8	Toxaphene{E}					3.106		3.106	E6	0.00
28)		Chlordane {A}					8.815		8.815	E6	0.00
29)		Chlordane {B}					4.792		4.792	E6	0.00
30)		Chlordane {C}					1.641		1.641	E7	0.00
31)		Chlordane {D}					2.950		2.950	E7	0.00
32)		Chlordane {E}					4.276		4.276	E6	0.00
33)	SA	Decachlorobiphenyl	7.731	7.009	7.214	6.966	6.601	6.438	6.993	E7	6.57

(#) = Out of Range

2PST1613.M Tue Nov 10 10:18:47 2009 GC2GI

7.2.7

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1613-ICV1613
Lab FileID: 2G42459.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1613\2G42459.D\ECD1A.CH    Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\1613\2G42459.D\ECD2B.CH
Acq On    : 11-9-09 02:24:24 PM                       Operator: jene
Sample    : icv1613-25                                Inst    : GC2G
Misc      : OP40754,G2G1613,1000,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	55.789 E6	0.4	104	0.00	2.28- 2.34
2	A	alpha-BHC	75.130	75.459 E6	-0.4	98	0.00	2.76- 2.82
3	MA	gamma-BHC	67.608	68.319 E6	-1.1	100	0.00	3.06- 3.12
4	MA	Heptachlor	66.177	70.126 E6	-6.0	103	0.00	3.57- 3.63
5	B	beta-BHC	31.653	29.650 E6	6.3	104	0.00	3.13- 3.19
6	B	delta-BHC	56.243	48.989 E6	12.9	90	0.00	3.33- 3.39
7	MB	Aldrin	64.968	65.963 E6	-1.5	102	0.00	3.93- 3.99
8	B	Heptachlor Epoxide	60.519	63.156 E6	-4.4	102	0.00	4.69- 4.75
9	B	gamma-Chlordane	60.553	63.552 E6	-5.0	104	0.00	4.85- 4.91
10	B	alpha-Chlordane	58.227	58.162 E6	0.1	103	0.00	5.04- 5.10
11	A	Endosulfan I	56.055	61.428 E6	-9.6	105	0.00	5.24- 5.30
12	B	4,4'-DDE	58.382	60.700 E6	-4.0	102	0.00	5.13- 5.19
13	MA	Dieldrin	63.249	65.602 E6	-3.7	102	0.00	5.58- 5.64
14	MA	Endrin	53.434	55.581 E6	-4.0	100	0.00	5.92- 5.98
15	A	4,4'-DDD	47.575	48.514 E6	-2.0	98	0.00	6.01- 6.07
16	B	Endosulfan II	48.642	49.720 E6	-2.2	99	0.00	6.26- 6.32
17	MA	4,4'-DDT	42.504	37.426 E6	11.9	87	0.00	6.45- 6.51
18	B	Endrin Aldehyde	43.456	39.005 E6	10.2	87	0.00	6.92- 6.98
19	B	Endosulfan Sulfate	41.718	37.115 E6	11.0	89	0.00	7.64- 7.70
20	A	Methoxychlor	19.903	17.906 E6	10.0	95	0.00	7.24- 7.30
21		Mirex	41.584	39.306 E6	5.5	95	0.00	7.46- 7.52
22	B	Endrin Ketone	56.039	49.885 E6	11.0	88	0.00	8.10- 8.16
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	39.718 E6	0.6	94	0.00	9.80- 9.86

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	136.307 E6	-8.6	106	0.00	2.18- 2.24
2	A	alpha-BHC	186.462	193.662 E6	-3.9	104	0.00	2.68- 2.74
3	MA	gamma-BHC	169.342	173.660 E6	-2.5	105	0.00	3.02- 3.08
4	MA	Heptachlor	165.816	170.010 E6	-2.5	104	0.00	3.51- 3.57
5	B	beta-BHC	77.924	79.568 E6	-2.1	101	0.00	3.09- 3.15

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1613-ICV1613
Lab FileID: 2G42459.D

6	B	delta-BHC	159.346	127.212 E6	20.2#	93	0.00	3.42- 3.48
7	MB	Aldrin	162.803	159.727 E6	1.9	101	0.00	3.90- 3.96
8	B	Heptachlor Epoxide	150.016	146.767 E6	2.2	104	0.00	4.62- 4.68
9	B	gamma-Chlordane	144.148	146.300 E6	-1.5	108	0.00	4.88- 4.94
10	B	alpha-Chlordane	137.792	137.665 E6	0.1	104	0.00	5.08- 5.14
11	A	Endosulfan I	139.433	140.872 E6	-1.0	105	0.00	5.17- 5.23
12	B	4,4'-DDE	148.006	152.685 E6	-3.2	103	0.00	5.33- 5.39
13	MA	Dieldrin	146.540	151.678 E6	-3.5	108	0.00	5.56- 5.62
14	MA	Endrin	126.935	123.750 E6	2.5	101	0.00	6.02- 6.08
15	A	4,4'-DDD	114.097	119.712 E6	-4.9	108	0.00	6.21- 6.27
16	B	Endosulfan II	121.838	123.380 E6	-1.3	105	0.00	6.35- 6.41
17	MA	4,4'-DDT	95.042	97.269 E6	-2.3	99	0.00	6.71- 6.77
18	B	Endrin Aldehyde	100.101	88.080 E6	12.0	92	0.00	6.89- 6.95
19	B	Endosulfan Sulfate	99.635	90.993 E6	8.7	97	0.00	7.35- 7.41
20	A	Methoxychlor	48.502	47.071 E6	3.0	105	0.00	7.89- 7.95
21		Mirex	95.433	83.864 E6	12.1	99	0.00	8.16- 8.22
22	B	Endrin Ketone	119.149	106.124 E6	10.9	95	0.00	8.24- 8.30
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	70.043 E6	-0.2	101	0.00	10.22-10.28

Average % D = 5.1

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42454.D 2PST1613.M Tue Nov 10 10:18:46 2009 GC2GI

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1615-CC1613
Lab FileID: 2G42483.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1615\2G42483.D\ECD1A.CH    Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\1615\2G42483.D\ECD2B.CH
Acq On    : 11-10-09 08:59:14 AM                     Operator: jene
Sample    : cc1613-25                                Inst    : GC2G
Misc      : OP40702,G2G1615,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	47.881 E6	14.6	90	0.00	2.27- 2.33
2	A	alpha-BHC	75.130	67.969 E6	9.5	88	0.00	2.75- 2.81
3	MA	gamma-BHC	67.608	61.403 E6	9.2	89	0.00	3.05- 3.11
4	MA	Heptachlor	66.177	59.985 E6	9.4	88	0.00	3.56- 3.62
5	B	beta-BHC	31.653	27.442 E6	13.3	97	0.00	3.13- 3.19
6	B	delta-BHC	56.243	53.716 E6	4.5	98	0.00	3.32- 3.38
7	MB	Aldrin	64.968	58.838 E6	9.4	91	0.00	3.92- 3.98
8	B	Heptachlor Epoxide	60.519	54.392 E6	10.1	88	0.00	4.68- 4.74
9	B	gamma-Chlordane	60.553	55.478 E6	8.4	91	0.00	4.85- 4.91
10	B	alpha-Chlordane	58.227	55.040 E6	5.5	97	0.00	5.03- 5.09
11	A	Endosulfan I	56.055	52.093 E6	7.1	89	0.00	5.23- 5.29
12	B	4,4'-DDE	58.382	55.084 E6	5.6	93	0.00	5.12- 5.18
13	MA	Dieldrin	63.249	56.298 E6	11.0	87	0.00	5.57- 5.63
14	MA	Endrin	53.434	48.309 E6	9.6	87	0.00	5.92- 5.98
15	A	4,4'-DDD	47.575	45.149 E6	5.1	91	0.00	6.00- 6.06
16	B	Endosulfan II	48.642	47.651 E6	2.0	95	0.00	6.25- 6.31
17	MA	4,4'-DDT	42.504	36.137 E6	15.0	84	0.00	6.44- 6.50
18	B	Endrin Aldehyde	43.456	39.384 E6	9.4	87	0.00	6.91- 6.97
19	B	Endosulfan Sulfate	41.718	39.421 E6	5.5	95	0.00	7.62- 7.68
20	A	Methoxychlor	19.903	17.001 E6	14.6	90	-0.01	7.22- 7.28
21		Mirex	41.584	36.850 E6	11.4	89	0.00	7.45- 7.51
22	B	Endrin Ketone	56.039	50.593 E6	9.7	90	0.00	8.09- 8.15
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	36.647 E6	8.3	86	0.00	9.79- 9.85

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	122.551 E6	2.4	95	0.00	2.17- 2.23
2	A	alpha-BHC	186.462	179.330 E6	3.8	96	0.00	2.68- 2.74
3	MA	gamma-BHC	169.342	159.701 E6	5.7	97	0.00	3.02- 3.08
4	MA	Heptachlor	165.816	153.697 E6	7.3	94	0.00	3.51- 3.57
5	B	beta-BHC	77.924	66.839 E6	14.2	85	0.00	3.09- 3.15

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1615-CC1613
Lab FileID: 2G42483.D

6	B	delta-BHC	159.346	138.655 E6	13.0	101	0.00	3.41- 3.47
7	MB	Aldrin	162.803	144.788 E6	11.1	92	0.00	3.89- 3.95
8	B	Heptachlor Epoxide	150.016	137.842 E6	8.1	97	0.00	4.61- 4.67
9	B	gamma-Chlordane	144.148	133.383 E6	7.5	98	0.00	4.87- 4.93
10	B	alpha-Chlordane	137.792	127.613 E6	7.4	97	0.00	5.08- 5.14
11	A	Endosulfan I	139.433	124.613 E6	10.6	93	0.00	5.16- 5.22
12	B	4,4'-DDE	148.006	135.872 E6	8.2	92	0.00	5.32- 5.38
13	MA	Dieldrin	146.540	137.335 E6	6.3	97	0.00	5.56- 5.62
14	MA	Endrin	126.935	119.304 E6	6.0	98	0.00	6.01- 6.07
15	A	4,4'-DDD	114.097	119.774 E6	-5.0	108	0.00	6.20- 6.26
16	B	Endosulfan II	121.838	119.919 E6	1.6	102	0.00	6.34- 6.40
17	MA	4,4'-DDT	95.042	87.689 E6	7.7	89	0.00	6.70- 6.76
18	B	Endrin Aldehyde	100.101	92.364 E6	7.7	96	0.00	6.88- 6.94
19	B	Endosulfan Sulfate	99.635	95.052 E6	4.6	102	0.00	7.34- 7.40
20	A	Methoxychlor	48.502	47.156 E6	2.8	105	-0.01	7.87- 7.93
21		Mirex	95.433	80.635 E6	15.5#	95	0.00	8.16- 8.22
22	B	Endrin Ketone	119.149	110.979 E6	6.9	99	0.00	8.23- 8.29
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	63.750 E6	8.8	92	0.00	10.21-10.27

Average % D = 8.3

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42454.D 2PST1613.M Tue Nov 10 10:27:09 2009 GC2GI

7.7.9

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1615-ECC1613
Lab FileID: 2G42494.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1615\2G42494.D\ECD1A.CH    Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1615\2G42494.D\ECD2B.CH
Acq On    : 11-10-09 02:16:17 PM                     Operator: jene
Sample    : ecc1613-10                               Inst    : GC2G
Misc      : OP40835,G2G1615,17.3,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	51.619 E6	7.9	93	0.00	2.28- 2.34
2	A	alpha-BHC	75.130	73.006 E6	2.8	100	0.00	2.76- 2.82
3	MA	gamma-BHC	67.608	65.426 E6	3.2	100	0.00	3.07- 3.13
4	MA	Heptachlor	66.177	62.787 E6	5.1	96	0.00	3.58- 3.64
5	B	beta-BHC	31.653	28.152 E6	11.1	98	0.00	3.14- 3.20
6	B	delta-BHC	56.243	59.207 E6	-5.3	113	0.00	3.34- 3.40
7	MB	Aldrin	64.968	61.026 E6	6.1	96	0.00	3.94- 4.00
8	B	Heptachlor Epoxide	60.519	57.118 E6	5.6	96	0.00	4.70- 4.76
9	B	gamma-Chlordane	60.553	56.841 E6	6.1	95	0.00	4.86- 4.92
10	B	alpha-Chlordane	58.227	56.478 E6	3.0	100	0.00	5.04- 5.10
11	A	Endosulfan I	56.055	52.355 E6	6.6	92	0.00	5.24- 5.30
12	B	4,4'-DDE	58.382	56.918 E6	2.5	103	0.00	5.13- 5.19
13	MA	Dieldrin	63.249	59.059 E6	6.6	94	0.00	5.58- 5.64
14	MA	Endrin	53.434	51.156 E6	4.3	98	0.00	5.93- 5.99
15	A	4,4'-DDD	47.575	49.982 E6	-5.1	110	0.00	6.02- 6.08
16	B	Endosulfan II	48.642	46.778 E6	3.8	100	0.00	6.27- 6.33
17	MA	4,4'-DDT	42.504	39.004 E6	8.2	102	0.00	6.45- 6.51
18	B	Endrin Aldehyde	43.456	41.585 E6	4.3	100	0.00	6.93- 6.99
19	B	Endosulfan Sulfate	41.718	43.251 E6	-3.7	95	0.00	7.64- 7.70
20	A	Methoxychlor	19.903	18.533 E6	6.9	103	0.00	7.24- 7.30
21		Mirex	41.584	43.483 E6	-4.6	102	0.00	7.46- 7.52
22	B	Endrin Ketone	56.039	55.832 E6	0.4	101	0.00	8.11- 8.17
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	36.628 E6	8.3	93	0.00	9.80- 9.86

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	133.260 E6	-6.2	106	0.00	2.18- 2.24
2	A	alpha-BHC	186.462	187.795 E6	-0.7	101	0.00	2.68- 2.74
3	MA	gamma-BHC	169.342	177.543 E6	-4.8	105	0.00	3.02- 3.08
4	MA	Heptachlor	165.816	155.942 E6	6.0	93	0.00	3.51- 3.57
5	B	beta-BHC	77.924	70.459 E6	9.6	85	0.00	3.09- 3.15

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1615-ECC1613
Lab FileID: 2G42494.D

6	B	delta-BHC	159.346	150.044	E6	5.8	100	0.00	3.41- 3.47
7	MB	Aldrin	162.803	150.688	E6	7.4	88	0.00	3.90- 3.96
8	B	Heptachlor Epoxide	150.016	138.425	E6	7.7	90	0.00	4.62- 4.68
9	B	gamma-Chlordane	144.148	139.439	E6	3.3	102	0.00	4.88- 4.94
10	B	alpha-Chlordane	137.792	141.455	E6	-2.7	98	0.00	5.08- 5.14
11	A	Endosulfan I	139.433	147.797	E6	-6.0	95	0.00	5.16- 5.22
12	B	4,4'-DDE	148.006	158.202	E6	-6.9	111	0.00	5.32- 5.38
13	MA	Dieldrin	146.540	136.436	E6	6.9	95	0.00	5.56- 5.62
14	MA	Endrin	126.935	119.917	E6	5.5	94	0.00	6.02- 6.08
15	A	4,4'-DDD	114.097	106.106	E6	7.0	96	0.00	6.21- 6.27
16	B	Endosulfan II	121.838	115.862	E6	4.9	98	0.00	6.35- 6.41
17	MA	4,4'-DDT	95.042	95.547	E6	-0.5	100	0.00	6.71- 6.77
18	B	Endrin Aldehyde	100.101	107.012	E6	-6.9	110	0.00	6.88- 6.94
19	B	Endosulfan Sulfate	99.635	109.552	E6	-10.0	112	0.00	7.34- 7.40
20	A	Methoxychlor	48.502	47.219	E6	2.6	97	0.00	7.88- 7.94
21		Mirex	95.433	88.626	E6	7.1	97	0.00	8.16- 8.22
22	B	Endrin Ketone	119.149	135.433	E6	-13.7	118	0.00	8.23- 8.29
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	69.932	68.658	E6	1.8	95	0.00	10.21-10.27

Average % D = 5.6

(0.0 %) 0 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42453.D 2PST1613.M Mon Nov 16 10:17:03 2009 GC2GI

7.7.10

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1616-CC1613
Lab FileID: 2G42517.D

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1616\2G42517.D\ECD1A.CH Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\1616\2G42517.D\ECD2B.CH
Acq On : 11 Nov 2009 10:48 am Operator: jene
Sample : cc1613-25 Inst : GC2G
Misc : OP40688,G2G1616,900,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	51.131 E6	8.8	96	0.00	2.27- 2.33
2	A	alpha-BHC	75.130	70.438 E6	6.2	91	0.00	2.75- 2.81
3	MA	gamma-BHC	67.608	64.276 E6	4.9	94	0.00	3.06- 3.12
4	MA	Heptachlor	66.177	61.617 E6	6.9	90	0.00	3.57- 3.63
5	B	beta-BHC	31.653	27.574 E6	12.9	97	0.00	3.13- 3.19
6	B	delta-BHC	56.243	56.094 E6	0.3	103	0.00	3.33- 3.39
7	MB	Aldrin	64.968	61.037 E6	6.1	94	0.00	3.93- 3.99
8	B	Heptachlor Epoxide	60.519	55.793 E6	7.8	90	0.00	4.69- 4.75
9	B	gamma-Chlordane	60.553	55.832 E6	7.8	91	0.00	4.85- 4.91
10	B	alpha-Chlordane	58.227	54.307 E6	6.7	96	0.00	5.03- 5.09
11	A	Endosulfan I	56.055	50.703 E6	9.5	87	0.00	5.23- 5.29
12	B	4,4'-DDE	58.382	53.235 E6	8.8	90	0.00	5.12- 5.18
13	MA	Dieldrin	63.249	57.133 E6	9.7	89	0.00	5.57- 5.63
14	MA	Endrin	53.434	50.311 E6	5.8	91	0.00	5.92- 5.98
15	A	4,4'-DDD	47.575	46.494 E6	2.3	93	0.00	6.01- 6.07
16	B	Endosulfan II	48.642	46.790 E6	3.8	93	0.00	6.26- 6.32
17	MA	4,4'-DDT	42.504	38.083 E6	10.4	89	0.00	6.44- 6.50
18	B	Endrin Aldehyde	43.456	39.473 E6	9.2	88	0.00	6.92- 6.98
19	B	Endosulfan Sulfate	41.718	41.542 E6	0.4	100	0.00	7.63- 7.69
20	A	Methoxychlor	19.903	17.146 E6	13.9	91	0.00	7.23- 7.29
21		Mirex	41.584	38.321 E6	7.8	93	0.00	7.45- 7.51
22	B	Endrin Ketone	56.039	51.675 E6	7.8	92	0.00	8.10- 8.16
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	37.143 E6	7.0	87	0.00	9.79- 9.85

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	109.219 E6	13.0	85	0.00	2.17- 2.23
2	A	alpha-BHC	186.462	172.731 E6	7.4	93	0.00	2.67- 2.73
3	MA	gamma-BHC	169.342	152.665 E6	9.8	92	0.00	3.02- 3.08
4	MA	Heptachlor	165.816	138.913 E6	16.2#	85	0.00	3.50- 3.56
5	B	beta-BHC	77.924	63.735 E6	18.2#	81	0.00	3.08- 3.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1616-CC1613
Lab FileID: 2G42517.D

6	B	delta-BHC	159.346	130.492 E6	18.1#	95	0.00	3.41- 3.47
7	MB	Aldrin	162.803	136.378 E6	16.2#	86	0.00	3.89- 3.95
8	B	Heptachlor Epoxide	150.016	119.513 E6	20.3#	84	0.00	4.61- 4.67
9	B	gamma-Chlordane	144.148	118.873 E6	17.5#	87	0.00	4.87- 4.93
10	B	alpha-Chlordane	137.792	117.806 E6	14.5	89	0.00	5.08- 5.14
11	A	Endosulfan I	139.433	119.914 E6	14.0	89	0.00	5.16- 5.22
12	B	4,4'-DDE	148.006	126.981 E6	14.2	86	0.00	5.32- 5.38
13	MA	Dieldrin	146.540	122.818 E6	16.2#	87	0.00	5.56- 5.62
14	MA	Endrin	126.935	110.047 E6	13.3	90	0.00	6.01- 6.07
15	A	4,4'-DDD	114.097	99.118 E6	13.1	89	0.00	6.20- 6.26
16	B	Endosulfan II	121.838	102.225 E6	16.1#	87	0.00	6.34- 6.40
17	MA	4,4'-DDT	95.042	80.792 E6	15.0	82	0.00	6.70- 6.76
18	B	Endrin Aldehyde	100.101	83.310 E6	16.8#	87	0.00	6.88- 6.94
19	B	Endosulfan Sulfate	99.635	83.287 E6	16.4#	89	0.00	7.34- 7.40
20	A	Methoxychlor	48.502	41.870 E6	13.7	93	-0.01	7.87- 7.93
21		Mirex	95.433	71.195 E6	25.4#	84	0.00	8.15- 8.21
22	B	Endrin Ketone	119.149	98.512 E6	17.3#	88	0.00	8.23- 8.29
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	60.812 E6	13.0	87	0.00	10.21-10.27

Average % D = 11.3

(26.1 %) 12 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42454.D 2PST1613.M Wed Nov 11 12:02:09 2009 GC2GI

7.7.11

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1616-CC1613
Lab FileID: 2G42528.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1616\2G42528.D\ECD1A.CH    Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1616\2G42528.D\ECD2B.CH
Acq On    : 11-11-09 02:15:22 PM                     Operator: jene
Sample    : cc1613-10                                Inst    : GC2G
Misc      : OP40853,G2G1616,17.2,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	49.691 E6	11.3	89	0.00	2.27- 2.33
2	A	alpha-BHC	75.130	71.379 E6	5.0	97	-0.01	2.74- 2.80
3	MA	gamma-BHC	67.608	64.036 E6	5.3	98	-0.01	3.05- 3.11
4	MA	Heptachlor	66.177	62.202 E6	6.0	96	-0.01	3.56- 3.62
5	B	beta-BHC	31.653	27.142 E6	14.3	95	-0.01	3.12- 3.18
6	B	delta-BHC	56.243	57.427 E6	-2.1	109	-0.01	3.32- 3.38
7	MB	Aldrin	64.968	59.319 E6	8.7	94	-0.01	3.92- 3.98
8	B	Heptachlor Epoxide	60.519	55.334 E6	8.6	93	-0.01	4.67- 4.73
9	B	gamma-Chlordane	60.553	55.090 E6	9.0	92	-0.01	4.84- 4.90
10	B	alpha-Chlordane	58.227	52.042 E6	10.6	92	-0.01	5.02- 5.08
11	A	Endosulfan I	56.055	50.161 E6	10.5	88	-0.01	5.22- 5.28
12	B	4,4'-DDE	58.382	52.428 E6	10.2	95	-0.01	5.11- 5.17
13	MA	Dieldrin	63.249	57.094 E6	9.7	91	-0.01	5.56- 5.62
14	MA	Endrin	53.434	49.396 E6	7.6	95	-0.01	5.91- 5.97
15	A	4,4'-DDD	47.575	47.893 E6	-0.7	105	-0.01	6.00- 6.06
16	B	Endosulfan II	48.642	45.892 E6	5.7	98	-0.02	6.25- 6.31
17	MA	4,4'-DDT	42.504	36.290 E6	14.6	95	-0.02	6.43- 6.49
18	B	Endrin Aldehyde	43.456	41.612 E6	4.2	100	-0.02	6.91- 6.97
19	B	Endosulfan Sulfate	41.718	45.012 E6	-7.9	98	-0.02	7.62- 7.68
20	A	Methoxychlor	19.903	18.563 E6	6.7	103	-0.02	7.22- 7.28
21		Mirex	41.584	39.503 E6	5.0	93	-0.01	7.44- 7.50
22	B	Endrin Ketone	56.039	53.098 E6	5.2	96	-0.02	8.09- 8.15
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	36.372 E6	9.0	93	-0.01	9.79- 9.85

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	129.277 E6	-3.0	103	0.00	2.17- 2.23
2	A	alpha-BHC	186.462	184.380 E6	1.1	99	0.00	2.67- 2.73
3	MA	gamma-BHC	169.342	166.213 E6	1.8	98	0.00	3.01- 3.07
4	MA	Heptachlor	165.816	160.318 E6	3.3	95	0.00	3.50- 3.56
5	B	beta-BHC	77.924	70.745 E6	9.2	85	0.00	3.08- 3.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1616-CC1613
Lab FileID: 2G42528.D

6	B	delta-BHC	159.346	156.869 E6	1.6	104	0.00	3.41- 3.47
7	MB	Aldrin	162.803	158.647 E6	2.6	93	0.00	3.89- 3.95
8	B	Heptachlor Epoxide	150.016	143.545 E6	4.3	93	-0.01	4.61- 4.67
9	B	gamma-Chlordane	144.148	144.364 E6	-0.1	106	-0.01	4.87- 4.93
10	B	alpha-Chlordane	137.792	145.263 E6	-5.4	101	-0.01	5.07- 5.13
11	A	Endosulfan I	139.433	137.920 E6	1.1	89	-0.01	5.15- 5.21
12	B	4,4'-DDE	148.006	137.469 E6	7.1	97	-0.01	5.31- 5.37
13	MA	Dieldrin	146.540	144.390 E6	1.5	100	-0.01	5.55- 5.61
14	MA	Endrin	126.935	123.891 E6	2.4	97	-0.01	6.01- 6.07
15	A	4,4'-DDD	114.097	122.428 E6	-7.3	111	-0.01	6.20- 6.26
16	B	Endosulfan II	121.838	123.440 E6	-1.3	104	-0.01	6.34- 6.40
17	MA	4,4'-DDT	95.042	83.880 E6	11.7	88	-0.01	6.70- 6.76
18	B	Endrin Aldehyde	100.101	98.107 E6	2.0	101	-0.01	6.87- 6.93
19	B	Endosulfan Sulfate	99.635	108.287 E6	-8.7	110	-0.01	7.33- 7.39
20	A	Methoxychlor	48.502	40.702 E6	16.1#	84	-0.02	7.87- 7.93
21		Mirex	95.433	83.179 E6	12.8	91	-0.01	8.15- 8.21
22	B	Endrin Ketone	119.149	117.716 E6	1.2	103	-0.01	8.22- 8.28
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	64.190 E6	8.2	89	0.00	10.21-10.27

Average % D = 6.3

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42453.D 2PST1613.M Wed Nov 11 16:17:59 2009 GC2GI

7.7.12

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42553.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1617\2G42553.D\ECD1A.CH    Vial: 1
Signal #2 : C:\MSDCHEM\1\DATA\1617\2G42553.D\ECD2B.CH
Acq On    : 11-12-09 09:16:27 AM                     Operator: jene
Sample    : cc1613-25                                Inst    : GC2G
Misc      : OP40853,G2G1617,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	48.277 E6	13.8	90	0.00	2.27- 2.33
2	A	alpha-BHC	75.130	70.690 E6	5.9	92	0.00	2.75- 2.81
3	MA	gamma-BHC	67.608	63.296 E6	6.4	92	0.00	3.05- 3.11
4	MA	Heptachlor	66.177	62.995 E6	4.8	92	0.00	3.56- 3.62
5	B	beta-BHC	31.653	26.039 E6	17.7#	92	0.00	3.13- 3.19
6	B	delta-BHC	56.243	54.237 E6	3.6	99	0.00	3.32- 3.38
7	MB	Aldrin	64.968	60.213 E6	7.3	93	0.00	3.92- 3.98
8	B	Heptachlor Epoxide	60.519	55.934 E6	7.6	91	-0.01	4.68- 4.74
9	B	gamma-Chlordane	60.553	56.424 E6	6.8	92	-0.01	4.84- 4.90
10	B	alpha-Chlordane	58.227	53.416 E6	8.3	95	-0.01	5.03- 5.09
11	A	Endosulfan I	56.055	52.015 E6	7.2	89	-0.01	5.22- 5.28
12	B	4,4'-DDE	58.382	53.018 E6	9.2	89	-0.01	5.12- 5.18
13	MA	Dieldrin	63.249	57.511 E6	9.1	89	-0.01	5.57- 5.63
14	MA	Endrin	53.434	50.445 E6	5.6	91	-0.01	5.91- 5.97
15	A	4,4'-DDD	47.575	45.301 E6	4.8	91	-0.01	6.00- 6.06
16	B	Endosulfan II	48.642	48.636 E6	0.0	97	-0.01	6.25- 6.31
17	MA	4,4'-DDT	42.504	43.158 E6	-1.5	101	-0.01	6.43- 6.49
18	B	Endrin Aldehyde	43.456	40.383 E6	7.1	90	-0.01	6.91- 6.97
19	B	Endosulfan Sulfate	41.718	42.352 E6	-1.5	102	-0.01	7.62- 7.68
20	A	Methoxychlor	19.903	20.405 E6	-2.5	109	-0.01	7.22- 7.28
21		Mirex	41.584	39.117 E6	5.9	95	-0.01	7.44- 7.50
22	B	Endrin Ketone	56.039	52.417 E6	6.5	93	-0.01	8.09- 8.15
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	36.456 E6	8.7	86	-0.01	9.79- 9.85

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	126.351 E6	-0.7	98	0.00	2.17- 2.23
2	A	alpha-BHC	186.462	187.307 E6	-0.5	100	0.00	2.67- 2.73
3	MA	gamma-BHC	169.342	166.295 E6	1.8	101	0.00	3.01- 3.07
4	MA	Heptachlor	165.816	158.635 E6	4.3	97	0.00	3.50- 3.56
5	B	beta-BHC	77.924	71.646 E6	8.1	91	0.00	3.08- 3.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42553.D

6	B	delta-BHC	159.346	148.532 E6	6.8	108	0.00	3.40- 3.46
7	MB	Aldrin	162.803	151.547 E6	6.9	96	-0.01	3.89- 3.95
8	B	Heptachlor Epoxide	150.016	139.612 E6	6.9	99	-0.01	4.61- 4.67
9	B	gamma-Chlordane	144.148	144.883 E6	-0.5	106	-0.01	4.87- 4.93
10	B	alpha-Chlordane	137.792	131.551 E6	4.5	100	-0.01	5.07- 5.13
11	A	Endosulfan I	139.433	130.346 E6	6.5	97	-0.01	5.15- 5.21
12	B	4,4'-DDE	148.006	139.684 E6	5.6	94	-0.01	5.31- 5.37
13	MA	Dieldrin	146.540	140.893 E6	3.9	100	-0.01	5.55- 5.61
14	MA	Endrin	126.935	134.599 E6	-6.0	110	-0.01	6.01- 6.07
15	A	4,4'-DDD	114.097	120.286 E6	-5.4	108	-0.01	6.19- 6.25
16	B	Endosulfan II	121.838	121.444 E6	0.3	103	-0.01	6.33- 6.39
17	MA	4,4'-DDT	95.042	98.649 E6	-3.8	100	-0.01	6.69- 6.75
18	B	Endrin Aldehyde	100.101	95.950 E6	4.1	100	-0.02	6.87- 6.93
19	B	Endosulfan Sulfate	99.635	98.005 E6	1.6	105	-0.02	7.33- 7.39
20	A	Methoxychlor	48.502	48.405 E6	0.2	108	-0.02	7.87- 7.93
21		Mirex	95.433	81.183 E6	14.9	96	-0.02	8.15- 8.21
22	B	Endrin Ketone	119.149	116.829 E6	1.9	105	-0.02	8.22- 8.28
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	62.258 E6	11.0	89	-0.01	10.21-10.27

Average % D = 5.6

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42454.D 2PST1613.M Fri Nov 13 13:42:11 2009 GC2GI

7.7.13

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42564.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1617\2G42564.D\ECD1A.CH    Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1617\2G42564.D\ECD2B.CH
Acq On    : 11-12-09 01:19:09 PM                     Operator: jene
Sample    : cc1613-10                                Inst    : GC2G
Misc      : OP40853,G2G1617,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	50.326 E6	10.2	90	0.00	2.27- 2.33
2	A	alpha-BHC	75.130	71.416 E6	4.9	97	-0.01	2.74- 2.80
3	MA	gamma-BHC	67.608	65.200 E6	3.6	99	-0.01	3.05- 3.11
4	MA	Heptachlor	66.177	63.507 E6	4.0	98	-0.01	3.56- 3.62
5	B	beta-BHC	31.653	26.519 E6	16.2#	92	-0.01	3.12- 3.18
6	B	delta-BHC	56.243	58.453 E6	-3.9	111	-0.01	3.32- 3.38
7	MB	Aldrin	64.968	64.520 E6	0.7	102	-0.01	3.91- 3.97
8	B	Heptachlor Epoxide	60.519	56.904 E6	6.0	95	-0.02	4.67- 4.73
9	B	gamma-Chlordane	60.553	56.826 E6	6.2	95	-0.02	4.84- 4.90
10	B	alpha-Chlordane	58.227	53.045 E6	8.9	94	-0.02	5.02- 5.08
11	A	Endosulfan I	56.055	51.684 E6	7.8	91	-0.02	5.22- 5.28
12	B	4,4'-DDE	58.382	52.781 E6	9.6	95	-0.02	5.11- 5.17
13	MA	Dieldrin	63.249	57.984 E6	8.3	92	-0.02	5.56- 5.62
14	MA	Endrin	53.434	51.235 E6	4.1	98	-0.02	5.91- 5.97
15	A	4,4'-DDD	47.575	46.230 E6	2.8	102	-0.02	5.99- 6.05
16	B	Endosulfan II	48.642	46.526 E6	4.4	99	-0.02	6.24- 6.30
17	MA	4,4'-DDT	42.504	39.235 E6	7.7	102	-0.02	6.43- 6.49
18	B	Endrin Aldehyde	43.456	41.982 E6	3.4	101	-0.02	6.90- 6.96
19	B	Endosulfan Sulfate	41.718	44.317 E6	-6.2	97	-0.02	7.62- 7.68
20	A	Methoxychlor	19.903	17.778 E6	10.7	99	-0.02	7.22- 7.28
21		Mirex	41.584	39.223 E6	5.7	92	-0.02	7.44- 7.50
22	B	Endrin Ketone	56.039	55.894 E6	0.3	101	-0.02	8.08- 8.14
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	37.182 E6	6.9	95	-0.01	9.79- 9.85

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	137.562 E6	-9.6	109	0.00	2.17- 2.23
2	A	alpha-BHC	186.462	196.240 E6	-5.2	105	0.00	2.67- 2.73
3	MA	gamma-BHC	169.342	174.428 E6	-3.0	103	-0.01	3.01- 3.07
4	MA	Heptachlor	165.816	174.030 E6	-5.0	104	-0.01	3.50- 3.56
5	B	beta-BHC	77.924	72.450 E6	7.0	87	0.00	3.08- 3.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42564.D

6	B	delta-BHC	159.346	167.856	E6	-5.3	112	-0.01	3.40- 3.46
7	MB	Aldrin	162.803	160.109	E6	1.7	93	-0.01	3.88- 3.94
8	B	Heptachlor Epoxide	150.016	145.550	E6	3.0	94	-0.01	4.61- 4.67
9	B	gamma-Chlordane	144.148	148.669	E6	-3.1	109	-0.01	4.86- 4.92
10	B	alpha-Chlordane	137.792	151.837	E6	-10.2	105	-0.02	5.07- 5.13
11	A	Endosulfan I	139.433	148.003	E6	-6.1	96	-0.02	5.15- 5.21
12	B	4,4'-DDE	148.006	159.846	E6	-8.0	112	-0.01	5.31- 5.37
13	MA	Dieldrin	146.540	149.496	E6	-2.0	104	-0.02	5.55- 5.61
14	MA	Endrin	126.935	126.505	E6	0.3	99	-0.02	6.00- 6.06
15	A	4,4'-DDD	114.097	126.055	E6	-10.5	114	-0.02	6.19- 6.25
16	B	Endosulfan II	121.838	131.223	E6	-7.7	111	-0.02	6.33- 6.39
17	MA	4,4'-DDT	95.042	100.539	E6	-5.8	105	-0.02	6.69- 6.75
18	B	Endrin Aldehyde	100.101	101.895	E6	-1.8	105	-0.02	6.87- 6.93
19	B	Endosulfan Sulfate	99.635	109.117	E6	-9.5	111	-0.02	7.33- 7.39
20	A	Methoxychlor	48.502	49.117	E6	-1.3	101	-0.02	7.86- 7.92
21		Mirex	95.433	89.041	E6	6.7	98	-0.02	8.14- 8.20
22	B	Endrin Ketone	119.149	129.341	E6	-8.6	113	-0.02	8.22- 8.28
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	69.932	68.201	E6	2.5	95	-0.01	10.21-10.27

Average % D = 5.8

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42453.D 2PST1613.M Thu Nov 12 17:16:40 2009 GC2GI

7.7.14

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42574.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1617\2G42574.D\ECD1A.CH    Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\1617\2G42574.D\ECD2B.CH
Acq On    : 11-12-09 04:49:29 PM                     Operator: jene
Sample    : cc1613-25                                Inst    : GC2G
Misc      : OP40688,G2G1617,900,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1613.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Nov 10 10:14:01 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	56.035	51.683 E6	7.8	97	-0.01	2.26- 2.32
2	A	alpha-BHC	75.130	74.057 E6	1.4	96	-0.01	2.74- 2.80
3	MA	gamma-BHC	67.608	67.333 E6	0.4	98	-0.01	3.05- 3.11
4	MA	Heptachlor	66.177	64.849 E6	2.0	95	-0.01	3.56- 3.62
5	B	beta-BHC	31.653	28.026 E6	11.5	99	-0.01	3.12- 3.18
6	B	delta-BHC	56.243	59.046 E6	-5.0	108	-0.01	3.32- 3.38
7	MB	Aldrin	64.968	63.094 E6	2.9	97	-0.02	3.91- 3.97
8	B	Heptachlor Epoxide	60.519	58.447 E6	3.4	95	-0.02	4.67- 4.73
9	B	gamma-Chlordane	60.553	59.133 E6	2.3	97	-0.02	4.84- 4.90
10	B	alpha-Chlordane	58.227	56.343 E6	3.2	100	-0.02	5.02- 5.08
11	A	Endosulfan I	56.055	55.128 E6	1.7	95	-0.02	5.22- 5.28
12	B	4,4'-DDE	58.382	57.369 E6	1.7	97	-0.02	5.11- 5.17
13	MA	Dieldrin	63.249	60.439 E6	4.4	94	-0.02	5.56- 5.62
14	MA	Endrin	53.434	56.999 E6	-6.7	103	-0.02	5.91- 5.97
15	A	4,4'-DDD	47.575	51.287 E6	-7.8	103	-0.02	5.99- 6.05
16	B	Endosulfan II	48.642	49.317 E6	-1.4	98	-0.02	6.24- 6.30
17	MA	4,4'-DDT	42.504	45.676 E6	-7.5	107	-0.02	6.43- 6.49
18	B	Endrin Aldehyde	43.456	41.246 E6	5.1	91	-0.02	6.90- 6.96
19	B	Endosulfan Sulfate	41.718	44.739 E6	-7.2	108	-0.02	7.61- 7.67
20	A	Methoxychlor	19.903	19.913 E6	-0.1	106	-0.02	7.22- 7.28
21		Mirex	41.584	40.030 E6	3.7	97	-0.02	7.44- 7.50
22	B	Endrin Ketone	56.039	55.322 E6	1.3	98	-0.02	8.08- 8.14
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	39.948	38.791 E6	2.9	91	-0.01	9.78- 9.84

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	125.501	127.552 E6	-1.6	99	-0.01	2.17- 2.23
2	A	alpha-BHC	186.462	193.083 E6	-3.6	104	-0.01	2.67- 2.73
3	MA	gamma-BHC	169.342	172.156 E6	-1.7	104	-0.01	3.01- 3.07
4	MA	Heptachlor	165.816	162.865 E6	1.8	99	-0.01	3.50- 3.56
5	B	beta-BHC	77.924	71.124 E6	8.7	91	-0.01	3.08- 3.14

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1617-CC1613
Lab FileID: 2G42574.D

6	B	delta-BHC	159.346	155.914 E6	2.2	114	-0.01	3.40- 3.46
7	MB	Aldrin	162.803	156.039 E6	4.2	99	-0.01	3.88- 3.94
8	B	Heptachlor Epoxide	150.016	145.024 E6	3.3	102	-0.02	4.60- 4.66
9	B	gamma-Chlordane	144.148	142.062 E6	1.4	104	-0.02	4.86- 4.92
10	B	alpha-Chlordane	137.792	139.166 E6	-1.0	105	-0.02	5.07- 5.13
11	A	Endosulfan I	139.433	133.873 E6	4.0	100	-0.02	5.15- 5.21
12	B	4,4'-DDE	148.006	146.154 E6	1.3	99	-0.02	5.31- 5.37
13	MA	Dieldrin	146.540	141.424 E6	3.5	100	-0.02	5.55- 5.61
14	MA	Endrin	126.935	128.189 E6	-1.0	105	-0.02	6.00- 6.06
15	A	4,4'-DDD	114.097	120.671 E6	-5.8	109	-0.02	6.19- 6.25
16	B	Endosulfan II	121.838	125.343 E6	-2.9	106	-0.02	6.33- 6.39
17	MA	4,4'-DDT	95.042	96.599 E6	-1.6	98	-0.02	6.69- 6.75
18	B	Endrin Aldehyde	100.101	97.904 E6	2.2	102	-0.02	6.87- 6.93
19	B	Endosulfan Sulfate	99.635	102.832 E6	-3.2	110	-0.02	7.33- 7.39
20	A	Methoxychlor	48.502	48.134 E6	0.8	107	-0.02	7.86- 7.92
21		Mirex	95.433	82.291 E6	13.8	97	-0.02	8.14- 8.20
22	B	Endrin Ketone	119.149	117.209 E6	1.6	105	-0.02	8.22- 8.28
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	69.932	63.693 E6	8.9	91	-0.01	10.20-10.26

Average % D = 3.7

(0.0 %) 0 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42454.D 2PST1613.M Fri Nov 13 13:15:04 2009 GC2GI

7.7.15

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1629-ICC1629
Lab FileID: 2G42840.D

Response Factor Report GC2G

Method : C:\MSDCHEM\1\METHODS\2PST1629.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Nov 25 09:27:25 2009

Calibration Files

2	=2G42843.D	5	=2G42842.D	10	=2G42841.D
25	=2G42840.D	50	=2G42839.D	100	=2G42838.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	5.682	5.523	5.357	5.136	5.088	4.606	5.232	E7	7.28
2)	A	alpha-BHC	6.798	6.697	6.623	6.783	6.733	6.246	6.646	E7	3.10
3)	MA	gamma-BHC	6.412	6.092	6.064	6.132	6.052	5.587	6.057	E7	4.40
4)	MA	Heptachlor	6.268	6.006	5.981	6.080	6.019	5.579	5.989	E7	3.78
5)	B	beta-BHC	3.330	3.054	2.977	2.855	2.702	2.415	2.889	E7	10.84
6)	B	delta-BHC	5.475	5.334	5.285	5.547	5.326	4.941	5.318	E7	3.95
7)	MB	Aldrin	6.048	5.807	5.771	5.818	5.738	5.300	5.747	E7	4.26
8)	B	Heptachlor Epoxide	6.051	5.699	5.564	5.512	5.376	4.927	5.521	E7	6.72
9)	B	gamma-Chlordane	5.922	5.606	5.491	5.449	5.324	4.891	5.447	E7	6.24
10)	B	alpha-Chlordane	5.730	5.441	5.326	5.229	5.094	4.662	5.247	E7	6.83
11)	A	Endosulfan I	5.954	5.760	5.560	5.487	5.264	4.768	5.465	E7	7.59
12)	B	4,4'-DDE	4.614	4.515	4.664	4.724	4.792	4.501	4.635	E7	2.48
13)	MA	Dieldrin	5.732	5.553	5.546	5.572	5.496	5.084	5.497	E7	3.96
14)	MA	Endrin	5.025	4.881	4.870	4.960	4.911	4.564	4.868	E7	3.28
15)	A	4,4'-DDD	4.207	4.028	4.087	4.114	4.067	3.810	4.052	E7	3.28
16)	B	Endosulfan II	5.411	5.162	5.118	5.030	4.821	4.408	4.992	E7	6.89
17)	MA	4,4'-DDT	3.293	3.448	3.728	3.915	3.924	3.818	3.688	E7	7.07
18)	B	Endrin Aldehyde	4.505	4.111	4.156	4.036	3.901	3.581	4.048	E7	7.53
19)	B	Endosulfan Sulfate	3.654	3.558	3.512	3.601	3.569	3.395	3.548	E7	2.50
20)	A	Methoxychlor	1.648	1.669	1.720	1.799	1.807	1.714	1.726	E7	3.78
21)		Mirex	4.593	4.291	4.032	3.784	3.545	3.185	3.905	E7	13.06
22)	B	Endrin Ketone	5.088	4.896	4.838	4.869	4.759	4.401	4.809	E7	4.73
23)	L8	Toxaphene{A}					1.654		1.654	E6	0.00
24)	L8	Toxaphene{B}					2.289		2.289	E6	0.00
25)	L8	Toxaphene{C}					2.802		2.802	E6	0.00
26)	L8	Toxaphene{D}					1.624		1.624	E6	0.00
27)	L8	Toxaphene{E}					1.527		1.527	E6	0.00
28)		Chlordane {A}					3.228		3.228	E6	0.00
29)		Chlordane {B}					1.850		1.850	E6	0.00
30)		Chlordane {C}					7.160		7.160	E6	0.00
31)		Chlordane {D}					1.212		1.212	E7	0.00
32)		Chlordane {E}					1.711		1.711	E6	0.00
33)	SA	Decachlorobiphenyl	4.630	4.446	4.348	4.073	3.893	3.512	4.150	E7	9.85

Signal #2 Calibration Files

2	=2G42843.D	5	=2G42842.D	10	=2G42841.D
25	=2G42840.D	50	=2G42839.D	100	=2G42838.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	1.649	1.509	1.437	1.366	1.278	1.151	1.398	E8	12.52
2)	A	alpha-BHC	2.102	1.934	1.835	1.806	1.748	1.619	1.841	E8	8.96
3)	MA	gamma-BHC	1.939	1.748	1.660	1.618	1.571	1.445	1.664	E8	10.09
4)	MA	Heptachlor	1.955	1.759	1.651	1.579	1.532	1.416	1.648	E8	11.48
5)	B	beta-BHC	1.023	0.900	0.812	0.758	0.702	0.628	0.804	E8	17.64
6)	B	delta-BHC	1.706	1.556	1.445	1.433	1.403	1.296	1.473	E8	9.58
7)	MB	Aldrin	1.864	1.657	1.545	1.483	1.426	1.307	1.547	E8	12.56
8)	B	Heptachlor Epoxide	1.793	1.573	1.461	1.372	1.307	1.193	1.450	E8	14.66

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1629-ICC1629
Lab FileID: 2G42840.D

9)	B	gamma-Chlordane	1.749	1.532	1.430	1.349	1.281	1.168	1.418	E8	14.42
10)	B	alpha-Chlordane	1.625	1.439	1.341	1.263	1.205	1.096	1.328	E8	14.04
11)	A	Endosulfan I	1.705	1.459	1.352	1.269	1.199	1.084	1.345	E8	16.21
12)	B	4,4'-DDE	1.682	1.494	1.409	1.325	1.262	1.152	1.387	E8	13.43
13)	MA	Dieldrin	1.711	1.537	1.448	1.383	1.322	1.204	1.434	E8	12.31
14)	MA	Endrin	1.421	1.302	1.225	1.180	1.121	1.030	1.213	E8	11.33
15)	A	4,4'-DDD	1.179	1.064	1.018	0.960	0.930	0.857	1.001	E8	11.23
16)	B	Endosulfan II	1.693	1.507	1.385	1.269	1.165	1.037	1.343	E8	17.69
17)	MA	4,4'-DDT	9.020	9.068	8.997	8.951	8.875	8.346	8.876	E7	3.02
18)	B	Endrin Aldehyde	1.220	1.102	1.026	0.946	0.887	0.796	0.996	E8	15.35
19)	B	Endosulfan Sulfate	1.045	1.022	0.926	0.871	0.817	0.739	0.903	E8	13.12
20)	A	Methoxychlor	4.079	4.318	4.282	4.265	4.113	3.770	4.138	E7	4.94
21)		Mirex	1.048	0.954	0.861	0.774	0.710	0.625	0.829	E8	18.94
22)	B	Endrin Ketone	1.303	1.241	1.141	1.073	1.023	0.920	1.117	E8	12.69
23)	L8	Toxaphene{A}					2.220		2.220	E6	0.00
24)	L8	Toxaphene{B}					3.135		3.135	E6	0.00
25)	L8	Toxaphene{C}					6.257		6.257	E6	0.00
26)	L8	Toxaphene{D}					3.574		3.574	E6	0.00
27)	L8	Toxaphene{E}					2.669		2.669	E6	0.00
28)		Chlordane {A}					8.469		8.469	E6	0.00
29)		Chlordane {B}					4.354		4.354	E6	0.00
30)		Chlordane {C}					1.584		1.584	E7	0.00
31)		Chlordane {D}					2.850		2.850	E7	0.00
32)		Chlordane {E}					4.013		4.013	E6	0.00
33)	SA	Decachlorobiphenyl	9.284	8.083	7.575	6.825	6.391	5.693	7.309	E7	17.59

(#) = Out of Range

2PST1629.M Wed Nov 25 11:00:01 2009 GC2GI

7.7.16

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1629-ICV1629
Lab FileID: 2G42844.D

Evaluate Continuing Calibration Report

Signal #1 : C:\MSDCHEM\1\DATA\1629\2G42844.D\ECD1A.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\1629\2G42844.D\ECD2B.CH
Acq On : 11-24-09 06:07:06 PM Operator: jene
Sample : icv1629-25 Inst : GC2G
Misc : OP41085,G2G1629,5,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\2PST1629.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Nov 25 09:27:25 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	52.320	50.484 E6	3.5	98	0.00	2.27- 2.33
2	A	alpha-BHC	66.465	70.591 E6	-6.2	104	0.00	2.74- 2.80
3	MA	gamma-BHC	60.565	63.620 E6	-5.0	104	0.00	3.04- 3.10
4	MA	Heptachlor	59.889	63.203 E6	-5.5	104	0.00	3.55- 3.61
5	B	beta-BHC	28.889	29.604 E6	-2.5	104	0.00	3.11- 3.17
6	B	delta-BHC	53.181	55.954 E6	-5.2	101	0.00	3.31- 3.37
7	MB	Aldrin	57.471	59.309 E6	-3.2	102	0.00	3.91- 3.97
8	B	Heptachlor Epoxide	55.214	56.646 E6	-2.6	103	0.00	4.66- 4.72
9	B	gamma-Chlordane	54.472	56.189 E6	-3.2	103	0.00	4.83- 4.89
10	B	alpha-Chlordane	52.469	53.578 E6	-2.1	102	0.00	5.01- 5.07
11	A	Endosulfan I	54.652	57.572 E6	-5.3	105	0.00	5.21- 5.27
12	B	4,4'-DDE	46.347	47.293 E6	-2.0	100	0.00	5.10- 5.16
13	MA	Dieldrin	54.973	58.021 E6	-5.5	104	0.00	5.55- 5.61
14	MA	Endrin	48.684	51.239 E6	-5.2	103	0.00	5.89- 5.95
15	A	4,4'-DDD	40.520	41.072 E6	-1.4	100	0.00	5.99- 6.05
16	B	Endosulfan II	49.916	51.269 E6	-2.7	102	0.00	6.23- 6.29
17	MA	4,4'-DDT	36.878	38.445 E6	-4.2	98	0.00	6.42- 6.48
18	B	Endrin Aldehyde	40.484	36.029 E6	11.0	89	0.00	6.89- 6.95
19	B	Endosulfan Sulfate	35.483	37.865 E6	-6.7	105	0.00	7.60- 7.66
20	A	Methoxychlor	17.261	17.957 E6	-4.0	100	0.00	7.23- 7.29
21		Mirex	39.050	38.016 E6	2.6	100	0.00	7.42- 7.48
22	B	Endrin Ketone	48.086	49.152 E6	-2.2	101	0.00	8.07- 8.13
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	41.504	38.615 E6	7.0	95	0.00	9.78- 9.84

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	139.830	132.902 E6	5.0	97	0.00	2.16- 2.22
2	A	alpha-BHC	184.068	187.156 E6	-1.7	104	0.00	2.66- 2.72
3	MA	gamma-BHC	166.355	167.824 E6	-0.9	104	0.00	3.00- 3.06
4	MA	Heptachlor	164.850	164.710 E6	0.1	104	0.00	3.48- 3.54
5	B	beta-BHC	80.384	78.730 E6	2.1	104	0.00	3.06- 3.12

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1629-ICV1629
Lab FileID: 2G42844.D

6	B	delta-BHC	147.310	150.436 E6	-2.1	105	0.00	3.38- 3.44
7	MB	Aldrin	154.714	151.347 E6	2.2	102	0.00	3.86- 3.92
8	B	Heptachlor Epoxide	144.991	141.906 E6	2.1	103	0.00	4.58- 4.64
9	B	gamma-Chlordane	141.808	139.203 E6	1.8	103	0.00	4.84- 4.90
10	B	alpha-Chlordane	132.814	129.559 E6	2.5	103	0.00	5.04- 5.10
11	A	Endosulfan I	134.479	130.524 E6	2.9	103	0.00	5.12- 5.18
12	B	4,4'-DDE	138.726	134.969 E6	2.7	102	0.00	5.28- 5.34
13	MA	Dieldrin	143.414	142.548 E6	0.6	103	0.00	5.52- 5.58
14	MA	Endrin	121.308	120.790 E6	0.4	102	0.00	5.97- 6.03
15	A	4,4'-DDD	100.141	94.731 E6	5.4	99	0.00	6.17- 6.23
16	B	Endosulfan II	134.278	129.860 E6	3.3	102	0.00	6.30- 6.36
17	MA	4,4'-DDT	88.763	87.126 E6	1.8	97	0.00	6.66- 6.72
18	B	Endrin Aldehyde	99.596	84.136 E6	15.5#	89	0.00	6.84- 6.90
19	B	Endosulfan Sulfate	90.324	91.483 E6	-1.3	105	0.00	7.29- 7.35
20	A	Methoxychlor	41.380	42.973 E6	-3.8	101	0.00	7.85- 7.91
21		Mirex	82.860	77.964 E6	5.9	101	0.00	8.11- 8.17
22	B	Endrin Ketone	111.685	110.181 E6	1.3	103	0.00	8.18- 8.24
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	73.085	65.986 E6	9.7	97	0.00	10.18-10.24

Average % D = 3.8

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42840.D 2PST1629.M Wed Nov 25 11:00:00 2009 GC2GI

7.1.17

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1632-CC1629
Lab FileID: 2G42922.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1632\2G42922.D\ECD1A.CH    Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1632\2G42922.D\ECD2B.CH
Acq On    : 11-30-09 02:37:21 PM                     Operator: jene
Sample    : cc1629-10                                Inst    : GC2G
Misc      : OP40665,G2G1632,30.0,,,10,10             Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1629.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Wed Nov 25 14:34:54 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	52.320	54.154 E6	-3.5	101	0.00	2.27- 2.33
2	A	alpha-BHC	66.465	70.287 E6	-5.8	106	0.00	2.74- 2.80
3	MA	gamma-BHC	60.565	64.511 E6	-6.5	106	0.00	3.04- 3.10
4	MA	Heptachlor	59.889	61.750 E6	-3.1	103	0.00	3.55- 3.61
5	B	beta-BHC	28.889	30.697 E6	-6.3	103	0.00	3.11- 3.17
6	B	delta-BHC	53.181	53.373 E6	-0.4	101	0.00	3.31- 3.37
7	MB	Aldrin	57.471	61.040 E6	-6.2	106	0.00	3.91- 3.97
8	B	Heptachlor Epoxide	55.214	57.734 E6	-4.6	104	0.00	4.66- 4.72
9	B	gamma-Chlordane	54.472	57.009 E6	-4.7	104	0.00	4.83- 4.89
10	B	alpha-Chlordane	52.469	54.790 E6	-4.4	103	0.00	5.01- 5.07
11	A	Endosulfan I	54.652	54.375 E6	0.5	98	0.00	5.20- 5.26
12	B	4,4'-DDE	46.347	52.738 E6	-13.8	113	0.00	5.10- 5.16
13	MA	Dieldrin	54.973	57.428 E6	-4.5	104	0.00	5.55- 5.61
14	MA	Endrin	48.684	51.253 E6	-5.3	105	0.00	5.89- 5.95
15	A	4,4'-DDD	40.520	45.659 E6	-12.7	112	0.00	5.98- 6.05
16	B	Endosulfan II	49.916	46.662 E6	6.5	91	0.00	6.23- 6.29
17	MA	4,4'-DDT	36.878	34.468 E6	6.5	92	0.00	6.41- 6.48
18	B	Endrin Aldehyde	40.484	42.179 E6	-4.2	101	0.00	6.88- 6.94
19	B	Endosulfan Sulfate	35.483	40.804 E6	-15.0	116	0.00	7.59- 7.65
20	A	Methoxychlor	17.261	20.032 E6	-16.1#	116	0.00	7.17- 7.29
21		Mirex	39.050	40.085 E6	-2.7	99	0.00	7.42- 7.48
22	B	Endrin Ketone	48.086	54.261 E6	-12.8	112	0.00	8.06- 8.12
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	41.504	41.392 E6	0.3	95	0.00	9.77- 9.83

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	139.830	134.769 E6	3.6	94	-0.01	2.16- 2.22
2	A	alpha-BHC	184.068	178.967 E6	2.8	98	0.00	2.65- 2.71
3	MA	gamma-BHC	166.355	160.381 E6	3.6	97	0.00	2.99- 3.05
4	MA	Heptachlor	164.850	152.152 E6	7.7	92	0.00	3.47- 3.53
5	B	beta-BHC	80.384	72.187 E6	10.2	89	0.00	3.06- 3.12

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1632-CC1629
Lab FileID: 2G42922.D

6	B	delta-BHC	147.310	134.531 E6	8.7	93	0.00	3.38- 3.44
7	MB	Aldrin	154.714	146.698 E6	5.2	95	0.00	3.86- 3.92
8	B	Heptachlor Epoxide	144.991	131.135 E6	9.6	90	0.00	4.57- 4.63
9	B	gamma-Chlordane	141.808	128.678 E6	9.3	90	0.00	4.83- 4.89
10	B	alpha-Chlordane	132.814	126.370 E6	4.9	94	0.00	5.03- 5.09
11	A	Endosulfan I	134.479	127.868 E6	4.9	95	0.00	5.11- 5.17
12	B	4,4'-DDE	138.726	132.444 E6	4.5	94	0.00	5.27- 5.33
13	MA	Dieldrin	143.414	131.693 E6	8.2	91	0.00	5.51- 5.57
14	MA	Endrin	121.308	108.410 E6	10.6	89	0.00	5.96- 6.02
15	A	4,4'-DDD	100.141	101.018 E6	-0.9	99	0.00	6.15- 6.21
16	B	Endosulfan II	134.278	107.943 E6	19.6#	78	0.00	6.29- 6.35
17	MA	4,4'-DDT	88.763	77.568 E6	12.6	86	0.00	6.65- 6.71
18	B	Endrin Aldehyde	99.596	87.031 E6	12.6	85	0.00	6.82- 6.88
19	B	Endosulfan Sulfate	90.324	85.334 E6	5.5	92	0.00	7.28- 7.34
20	A	Methoxychlor	41.380	39.988 E6	3.4	93	0.00	7.80- 7.90
21		Mirex	82.860	72.417 E6	12.6	84	0.00	8.10- 8.16
22	B	Endrin Ketone	111.685	100.078 E6	10.4	88	0.00	8.17- 8.23
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	73.085	65.082 E6	11.0	86	0.00	10.17-10.23

Average % D = 7.1

(4.3 %) 2 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42841.D 2PST1629.M Mon Nov 30 16:20:29 2009 GC2GI

7.7.18

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1632-CC1629
Lab FileID: 2G42929.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1632\2G42929.D\ECD1A.CH    Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\1632\2G42929.D\ECD2B.CH
Acq On    : 11-30-09 05:01:15 PM                     Operator: jene
Sample    : cc1629-25                                Inst    : GC2G
Misc      : OP40665,G2G1632,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\2PST1629.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Wed Nov 25 14:34:54 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	52.320	52.459 E6	-0.3	102	-0.01	2.26- 2.32
2	A	alpha-BHC	66.465	69.607 E6	-4.7	103	-0.01	2.73- 2.79
3	MA	gamma-BHC	60.565	62.768 E6	-3.6	102	-0.01	3.04- 3.10
4	MA	Heptachlor	59.889	60.044 E6	-0.3	99	-0.01	3.54- 3.60
5	B	beta-BHC	28.889	27.918 E6	3.4	98	-0.01	3.11- 3.17
6	B	delta-BHC	53.181	52.820 E6	0.7	95	-0.01	3.30- 3.36
7	MB	Aldrin	57.471	59.383 E6	-3.3	102	-0.01	3.90- 3.96
8	B	Heptachlor Epoxide	55.214	55.759 E6	-1.0	101	-0.01	4.65- 4.71
9	B	gamma-Chlordane	54.472	55.037 E6	-1.0	101	-0.01	4.82- 4.88
10	B	alpha-Chlordane	52.469	54.817 E6	-4.5	105	-0.01	5.00- 5.06
11	A	Endosulfan I	54.652	53.524 E6	2.1	98	-0.01	5.20- 5.26
12	B	4,4'-DDE	46.347	53.085 E6	-14.5	112	-0.01	5.09- 5.15
13	MA	Dieldrin	54.973	56.788 E6	-3.3	102	-0.01	5.54- 5.60
14	MA	Endrin	48.684	50.770 E6	-4.3	102	-0.01	5.88- 5.94
15	A	4,4'-DDD	40.520	46.642 E6	-15.1#	113	0.00	5.97- 6.04
16	B	Endosulfan II	49.916	47.945 E6	3.9	95	-0.01	6.22- 6.28
17	MA	4,4'-DDT	36.878	34.688 E6	5.9	89	0.00	6.40- 6.47
18	B	Endrin Aldehyde	40.484	40.220 E6	0.7	100	-0.01	6.87- 6.93
19	B	Endosulfan Sulfate	35.483	38.390 E6	-8.2	107	-0.01	7.58- 7.64
20	A	Methoxychlor	17.261	17.881 E6	-3.6	99	0.00	7.17- 7.29
21		Mirex	39.050	36.913 E6	5.5	98	-0.01	7.41- 7.47
22	B	Endrin Ketone	48.086	51.268 E6	-6.6	105	-0.01	8.05- 8.11
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	41.504	40.294 E6	2.9	99	0.00	9.76- 9.82

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	139.830	142.673 E6	-2.0	104	-0.01	2.16- 2.22
2	A	alpha-BHC	184.068	191.920 E6	-4.3	106	0.00	2.65- 2.71
3	MA	gamma-BHC	166.355	171.835 E6	-3.3	106	0.00	2.99- 3.05
4	MA	Heptachlor	164.850	161.747 E6	1.9	102	0.00	3.47- 3.53
5	B	beta-BHC	80.384	76.377 E6	5.0	101	0.00	3.06- 3.12

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G2G1632-CC1629
Lab FileID: 2G42929.D

6	B	delta-BHC	147.310	146.447 E6	0.6	102	0.00	3.38- 3.44
7	MB	Aldrin	154.714	155.859 E6	-0.7	105	0.00	3.85- 3.91
8	B	Heptachlor Epoxide	144.991	147.647 E6	-1.8	108	0.00	4.57- 4.63
9	B	gamma-Chlordane	141.808	143.433 E6	-1.1	106	0.00	4.83- 4.89
10	B	alpha-Chlordane	132.814	135.960 E6	-2.4	108	0.00	5.03- 5.09
11	A	Endosulfan I	134.479	133.607 E6	0.6	105	0.00	5.11- 5.17
12	B	4,4'-DDE	138.726	139.292 E6	-0.4	105	0.00	5.27- 5.33
13	MA	Dieldrin	143.414	144.410 E6	-0.7	104	0.00	5.50- 5.56
14	MA	Endrin	121.308	121.882 E6	-0.5	103	-0.01	5.96- 6.02
15	A	4,4'-DDD	100.141	113.839 E6	-13.7	119	0.00	6.15- 6.21
16	B	Endosulfan II	134.278	125.093 E6	6.8	99	-0.01	6.28- 6.34
17	MA	4,4'-DDT	88.763	85.211 E6	4.0	95	0.00	6.65- 6.71
18	B	Endrin Aldehyde	99.596	96.600 E6	3.0	102	0.00	6.82- 6.88
19	B	Endosulfan Sulfate	90.324	93.074 E6	-3.0	107	-0.01	7.28- 7.34
20	A	Methoxychlor	41.380	42.293 E6	-2.2	99	0.00	7.80- 7.89
21		Mirex	82.860	77.168 E6	6.9	100	-0.01	8.09- 8.15
22	B	Endrin Ketone	111.685	114.670 E6	-2.7	107	-0.01	8.16- 8.22
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	73.085	63.821 E6	12.7	94	0.00	10.17-10.23

Average % D = 3.9

(2.2 %) 1 of 46 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2G42873.D 2PST1629.M Thu Dec 03 17:36:01 2009 GC2GI

7.7.19

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1525-ICC1525
Lab FileID: 3G40906.D

Response Factor Report GC3G

Method : C:\MSDCHEM\1\METHODS\3PST1525.M (Chemstation Integrator)
Title : PEST
Last Update : Tue Oct 20 10:44:11 2009
Response via : Initial Calibration

Calibration Files
2 =3G40909.D 5 =3G40908.D 10 =3G40907.D 25 =3G40906.D
50 =3G40905.D 100 =3G40904.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	1.071	1.091	1.121	1.144	1.181	1.163	1.128	E7	3.74
2)	A	alpha-BHC	1.461	1.549	1.650	1.753	1.835	1.822	1.678	E7	9.05
3)	MA	gamma-BHC	1.358	1.404	1.485	1.567	1.637	1.623	1.512	E7	7.66
4)	MA	Heptachlor	1.489	1.502	1.569	1.632	1.699	1.673	1.594	E7	5.52
5)	B	beta-BHC	7.561	7.186	7.047	6.872	6.912	6.787	7.061	E6	4.00
6)	B	delta-BHC	1.230	1.280	1.365	1.462	1.543	1.568	1.408	E7	9.87
7)	MB	Aldrin	1.353	1.388	1.458	1.525	1.585	1.564	1.479	E7	6.41
8)	B	Heptachlor Epoxide	1.395	1.375	1.400	1.434	1.485	1.459	1.425	E7	2.94
9)	B	gamma-Chlordane	1.362	1.359	1.390	1.432	1.494	1.468	1.417	E7	3.97
10)	B	alpha-Chlordane	1.365	1.339	1.355	1.379	1.430	1.403	1.378	E7	2.43
11)	A	Endosulfan I	1.435	1.410	1.415	1.425	1.483	1.436	1.434	E7	1.83
12)	B	4,4'-DDE	1.025	1.059	1.134	1.224	1.312	1.327	1.180	E7	10.85
13)	MA	Dieldrin	1.375	1.365	1.417	1.478	1.544	1.520	1.450	E7	5.19
14)	MA	Endrin	1.184	1.203	1.263	1.327	1.384	1.364	1.287	E7	6.51
15)	A	4,4'-DDD	0.997	1.022	1.079	1.137	1.197	1.206	1.106	E7	7.96
16)	B	Endosulfan II	1.284	1.245	1.272	1.297	1.339	1.316	1.292	E7	2.56
17)	MA	4,4'-DDT	0.997	1.002	1.094	1.165	1.234	1.240	1.122	E7	9.69
18)	B	Endrin Aldehyde	1.242	1.093	1.062	1.051	1.096	1.087	1.105	E7	6.29
19)	B	Endosulfan Sulfate	1.115	1.077	1.084	1.102	1.134	1.133	1.107	E7	2.16
20)	A	Methoxychlor	6.782	6.445	6.387	6.169	6.240	5.990	6.335	E6	4.30
21)		Mirex	1.301	1.178	1.108	1.039	1.036	0.999	1.110	E7	10.19
22)	B	Endrin Ketone	1.419	1.377	1.379	1.385	1.370	1.358	1.381	E7	1.48
23)	L8	Toxaphene{A}					3.081		3.081	E5	0.00
24)	L8	Toxaphene{B}					4.678		4.678	E5	0.00
25)	L8	Toxaphene{C}					6.034		6.034	E5	0.00
26)	L8	Toxaphene{D}					4.442		4.442	E5	0.00
27)	L8	Toxaphene{E}					4.353		4.353	E5	0.00
28)		Chlordane {A}					3.963		3.963	E5	0.00
29)		Chlordane {B}					8.645		8.645	E5	0.00
30)		Chlordane {C}					1.945		1.945	E6	0.00
31)		Chlordane {D}					3.203		3.203	E6	0.00
32)		Chlordane {E}					4.978		4.978	E5	0.00
33)	SA	Decachlorobiphenyl	1.267	1.197	1.172	1.135	1.133	1.098	1.167	E7	5.14

Signal #2

1)	SAB	Tetrachloro-m-xylen	1.068	1.040	1.084	1.125	1.169	1.162	1.108	E7	4.73
2)	A	alpha-BHC	1.375	1.455	1.570	1.686	1.772	1.768	1.604	E7	10.35
3)	MA	gamma-BHC	1.276	1.341	1.431	1.531	1.605	1.600	1.464	E7	9.38
4)	MA	Heptachlor	1.377	1.369	1.450	1.542	1.604	1.579	1.487	E7	6.90
5)	B	beta-BHC	5.563	5.532	5.718	6.386	6.621	6.643	6.077	E6	8.71
6)	B	delta-BHC	1.079	1.126	1.223	1.367	1.459	1.493	1.291	E7	13.50
7)	MB	Aldrin	1.261	1.303	1.379	1.457	1.525	1.517	1.407	E7	7.86
8)	B	Heptachlor Epoxide	1.249	1.267	1.314	1.365	1.415	1.407	1.336	E7	5.28
9)	B	gamma-Chlordane	1.266	1.267	1.317	1.363	1.422	1.411	1.341	E7	5.12
10)	B	alpha-Chlordane	1.263	1.225	1.269	1.309	1.361	1.347	1.296	E7	4.06
11)	A	Endosulfan I	1.221	1.181	1.224	1.267	1.318	1.302	1.252	E7	4.20

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1525-ICC1525
Lab FileID: 3G40906.D

12)	B	4,4'-DDE	1.210	1.134	1.213	1.291	1.360	1.358	1.261	E7	7.18
13)	MA	Dieldrin	1.229	1.242	1.301	1.365	1.428	1.419	1.331	E7	6.52
14)	MA	Endrin	1.015	1.023	1.083	1.134	1.200	1.172	1.104	E7	6.97
15)	A	4,4'-DDD	0.913	0.832	0.932	0.984	1.050	1.055	0.961	E7	8.95
16)	B	Endosulfan II	1.229	1.102	1.182	1.216	1.270	1.263	1.210	E7	5.13
17)	MA	4,4'-DDT	0.691	0.742	0.844	0.942	1.026	1.060	0.884	E7	17.03
18)	B	Endrin Aldehyde	0.987	0.927	0.930	0.962	1.008	1.013	0.971	E7	3.86
19)	B	Endosulfan Sulfate	0.989	0.942	0.978	1.017	1.058	1.062	1.007	E7	4.68
20)	A	Methoxychlor	4.132	3.521	3.856	4.125	4.477	4.480	4.099	E6	9.02
21)		Mirex	9.960	9.409	9.290	9.157	9.447	9.115	9.396	E6	3.26
22)	B	Endrin Ketone	1.208	1.205	1.245	1.305	1.386	1.366	1.286	E7	6.14
23)	L8	Toxaphene{A}					1.626		1.626	E5	0.00
24)	L8	Toxaphene{B}					2.848		2.848	E5	0.00
25)	L8	Toxaphene{C}					5.286		5.286	E5	0.00
26)	L8	Toxaphene{D}					3.278		3.278	E5	0.00
27)	L8	Toxaphene{E}					2.815		2.815	E5	0.00
28)		Chlordane {A}					3.799		3.799	E5	0.00
29)		Chlordane {B}					7.865		7.865	E5	0.00
30)		Chlordane {C}					1.784		1.784	E6	0.00
31)		Chlordane {D}					3.068		3.068	E6	0.00
32)		Chlordane {E}					3.965		3.965	E5	0.00
33)	SA	Decachlorobiphenyl	1.116	1.081	1.070	1.100	1.120	1.093	1.097	E7	1.78

(#) = Out of Range

3PST1525.M Tue Oct 20 10:46:53 2009 GC3GJ

7.7.20

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1525-ICV1525
Lab FileID: 3G40910.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1525\3G40910.D\ECD1A.CH    Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\1525\3G40910.D\ECD2B.CH
Acq On    : 10-19-09 05:23:50 PM                     Operator: owenm
Sample    : icv1525-25                               Inst    : GC3G
Misc      : OP40259,g3g1525,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\3PST1525.M (Chemstation Integrator)
Title        : PEST
Last Update  : Tue Oct 20 10:44:11 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	11.285	11.514 E6	-2.0	101	0.00	2.45- 2.51
2	A	alpha-BHC	16.783	18.044 E6	-7.5	103	0.00	2.90- 2.96
3	MA	gamma-BHC	15.124	16.030 E6	-6.0	102	0.00	3.17- 3.23
4	MA	Heptachlor	15.941	16.827 E6	-5.6	103	0.00	3.60- 3.66
5	B	beta-BHC	7.061	7.121 E6	-0.8	104	0.00	3.24- 3.30
6	B	delta-BHC	14.082	14.790 E6	-5.0	101	0.00	3.41- 3.47
7	MB	Aldrin	14.788	15.457 E6	-4.5	101	0.00	3.89- 3.95
8	B	Heptachlor Epoxide	14.246	14.723 E6	-3.3	103	0.00	4.51- 4.57
9	B	gamma-Chlordane	14.175	14.837 E6	-4.7	104	0.00	4.64- 4.70
10	B	alpha-Chlordane	13.783	14.202 E6	-3.0	103	0.00	4.78- 4.84
11	A	Endosulfan I	14.342	15.426 E6	-7.6	108	0.00	4.93- 4.99
12	B	4,4'-DDE	11.803	12.401 E6	-5.1	101	0.00	4.87- 4.93
13	MA	Dieldrin	14.499	15.503 E6	-6.9	105	0.00	5.18- 5.24
14	MA	Endrin	12.873	13.500 E6	-4.9	102	0.00	5.44- 5.50
15	A	4,4'-DDD	11.062	11.546 E6	-4.4	102	0.00	5.52- 5.58
16	B	Endosulfan II	12.918	13.152 E6	-1.8	101	0.00	5.69- 5.75
17	MA	4,4'-DDT	11.222	11.303 E6	-0.7	97	0.00	5.82- 5.88
18	B	Endrin Aldehyde	11.051	9.777 E6	11.5	93	0.00	6.15- 6.21
19	B	Endosulfan Sulfate	11.075	11.253 E6	-1.6	102	0.00	6.64- 6.70
20	A	Methoxychlor	6.335	6.324 E6	0.2	103	0.00	6.37- 6.43
21		Mirex	11.103	9.986 E6	10.1	96	0.00	6.52- 6.58
22	B	Endrin Ketone	13.815	13.550 E6	1.9	98	0.00	6.95- 7.01
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	11.670	11.219 E6	3.9	99	0.00	8.10- 8.16

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	11.081	11.520 E6	-4.0	102	0.00	2.40- 2.46
2	A	alpha-BHC	16.042	17.243 E6	-7.5	102	0.00	2.88- 2.94
3	MA	gamma-BHC	14.640	15.635 E6	-6.8	102	0.00	3.18- 3.24
4	MA	Heptachlor	14.870	15.788 E6	-6.2	102	0.00	3.59- 3.65
5	B	beta-BHC	6.077	6.860 E6	-12.9	107	0.00	3.26- 3.32

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1525-ICV1525
Lab FileID: 3G40910.D

6	B	delta-BHC	12.913	13.685 E6	-6.0	100	0.00	3.53- 3.59
7	MB	Aldrin	14.070	14.791 E6	-5.1	102	0.00	3.90- 3.96
8	B	Heptachlor Epoxide	13.362	13.973 E6	-4.6	102	0.00	4.49- 4.55
9	B	gamma-Chlordane	13.410	14.119 E6	-5.3	104	0.00	4.69- 4.75
10	B	alpha-Chlordane	12.956	13.452 E6	-3.8	103	0.00	4.85- 4.91
11	A	Endosulfan I	12.521	13.151 E6	-5.0	104	0.00	4.91- 4.97
12	B	4,4'-DDE	12.609	13.485 E6	-6.9	104	0.00	5.04- 5.10
13	MA	Dieldrin	13.308	14.481 E6	-8.8	106	0.00	5.21- 5.27
14	MA	Endrin	11.044	11.688 E6	-5.8	103	0.00	5.54- 5.60
15	A	4,4'-DDD	9.612	10.146 E6	-5.6	103	0.00	5.69- 5.75
16	B	Endosulfan II	12.102	12.662 E6	-4.6	104	0.00	5.78- 5.84
17	MA	4,4'-DDT	8.841	9.047 E6	-2.3	96	0.00	6.04- 6.10
18	B	Endrin Aldehyde	9.712	8.598 E6	11.5	89	0.00	6.16- 6.22
19	B	Endosulfan Sulfate	10.075	10.490 E6	-4.1	103	0.00	6.47- 6.53
20	A	Methoxychlor	4.099	4.355 E6	-6.2	106	0.00	6.83- 6.89
21		Mirex	9.396	9.036 E6	3.8	99	0.00	7.02- 7.08
22	B	Endrin Ketone	12.859	12.957 E6	-0.8	99	0.00	7.07- 7.13
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	10.966	10.967 E6	-0.0	100	0.00	8.50- 8.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G40906.D 3PST1525.M Tue Oct 20 10:56:54 2009 GC3GJ

7.7.21

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-CC1525
Lab FileID: 3G41275.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\1537\3G41275.D\ECD1A.CH    Vial: 1
Acq On    : 10-30-09 08:55:58 AM                     Operator: TOYAR
Sample    : CC1525-25                                Inst    : GC3G
Misc      : OP40604,g3g1537,100,,,10,1               Multiplr: 1.00
IntFile   : autoint1.e

Data File : C:\MSDCHEM\1\DATA\1537\3G41275.D\ECD2B.CH    Vial: 1
Acq On    : 10-30-09 08:55:59 AM                     Operator: TOYAR
Sample    : CC1525-25                                Inst    : GC3G
Misc      : OP40604,g3g1537,100,,,10,1               Multiplr: 1.00
IntFile   : autoint2.e

Method       : C:\MSDCHEM\1\METHODS\3PST1525.M (Chemstation Integrator)
Title        : PEST
Last Update  : Tue Oct 20 10:44:11 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	11.285	10.983 E6	2.7	96	0.00	2.45- 2.51
2	A	alpha-BHC	16.783	17.640 E6	-5.1	101	0.00	2.89- 2.95
3	MA	gamma-BHC	15.124	15.749 E6	-4.1	100	0.00	3.16- 3.22
4	MA	Heptachlor	15.941	16.590 E6	-4.1	102	0.00	3.59- 3.65
5	B	beta-BHC	7.061	6.921 E6	2.0	101	0.00	3.24- 3.30
6	B	delta-BHC	14.082	13.614 E6	3.3	93	0.00	3.40- 3.46
7	MB	Aldrin	14.788	15.398 E6	-4.1	101	0.00	3.88- 3.94
8	B	Heptachlor Epoxide	14.246	14.724 E6	-3.4	103	0.00	4.50- 4.56
9	B	gamma-Chlordane	14.175	14.771 E6	-4.2	103	0.00	4.63- 4.69
10	B	alpha-Chlordane	13.783	13.415 E6	2.7	97	0.00	4.77- 4.83
11	A	Endosulfan I	14.342	14.706 E6	-2.5	103	0.00	4.92- 4.98
12	B	4,4'-DDE	11.803	12.687 E6	-7.5	104	0.00	4.86- 4.92
13	MA	Dieldrin	14.499	15.148 E6	-4.5	102	-0.01	5.17- 5.23
14	MA	Endrin	12.873	13.565 E6	-5.4	102	-0.01	5.43- 5.49
15	A	4,4'-DDD	11.062	11.569 E6	-4.6	102	0.00	5.51- 5.57
16	B	Endosulfan II	12.918	12.629 E6	2.2	97	-0.01	5.67- 5.73
17	MA	4,4'-DDT	11.222	11.188 E6	0.3	96	0.00	5.81- 5.87
18	B	Endrin Aldehyde	11.051	10.261 E6	7.1	98	-0.01	6.14- 6.20
19	B	Endosulfan Sulfate	11.075	9.432 E6	14.8	86	-0.01	6.62- 6.68
20	A	Methoxychlor	6.335	5.724 E6	9.6	93	0.00	6.36- 6.42
21		Mirex	11.103	10.306 E6	7.2	99	-0.01	6.50- 6.56
22	B	Endrin Ketone	13.815	12.503 E6	9.5	90	-0.01	6.94- 7.00
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	11.670	11.228 E6	3.8	99	0.00	8.10- 8.16

***** Signal #2 *****

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-CC1525
Lab FileID: 3G41275.D

1	SAB	Tetrachloro-m-xylene	11.081	12.390 E6	-11.8	110	0.00	2.40- 2.46
2	A	alpha-BHC	16.042	18.315 E6	-14.2	109	0.00	2.87- 2.93
3	MA	gamma-BHC	14.640	16.934 E6	-15.7#	111	0.00	3.18- 3.24
4	MA	Heptachlor	14.870	17.178 E6	-15.5#	111	0.00	3.58- 3.64
5	B	beta-BHC	6.077	6.990 E6	-15.0#	109	0.00	3.25- 3.31
6	B	delta-BHC	12.913	13.624 E6	-5.5	100	0.00	3.52- 3.58
7	MB	Aldrin	14.070	16.388 E6	-16.5#	112	0.00	3.89- 3.95
8	B	Heptachlor Epoxide	13.362	13.735 E6	-2.8	101	0.00	4.48- 4.54
9	B	gamma-Chlordane	13.410	15.459 E6	-15.3#	113	0.00	4.68- 4.74
10	B	alpha-Chlordane	12.956	14.695 E6	-13.4	112	0.00	4.84- 4.90
11	A	Endosulfan I	12.521	14.322 E6	-14.4	113	0.00	4.90- 4.96
12	B	4,4'-DDE	12.609	15.152 E6	-20.2#	117	0.00	5.04- 5.10
13	MA	Dieldrin	13.308	15.569 E6	-17.0#	114	0.00	5.20- 5.26
14	MA	Endrin	11.044	13.615 E6	-23.3#	120	0.00	5.53- 5.59
15	A	4,4'-DDD	9.612	10.291 E6	-7.1	105	0.00	5.68- 5.74
16	B	Endosulfan II	12.102	14.002 E6	-15.7#	115	0.00	5.77- 5.83
17	MA	4,4'-DDT	8.841	10.373 E6	-17.3#	110	0.00	6.03- 6.09
18	B	Endrin Aldehyde	9.712	10.392 E6	-7.0	108	0.00	6.15- 6.21
19	B	Endosulfan Sulfate	10.075	9.822 E6	2.5	97	0.00	6.46- 6.52
20	A	Methoxychlor	4.099	4.679 E6	-14.1	113	0.00	6.82- 6.88
21		Mirex	9.396	10.588 E6	-12.7	116	-0.01	7.01- 7.07
22	B	Endrin Ketone	12.859	13.914 E6	-8.2	107	-0.01	7.06- 7.12
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	10.966	11.516 E6	-5.0	105	0.00	8.49- 8.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G40906.D 3PST1525.M Fri Oct 30 09:21:42 2009 GC3GJ

7.7.22

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-CC1525
Lab FileID: 3G41286.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1537\3G41286.D\ECD1A.CH    Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\1537\3G41286.D\ECD2B.CH
Acq On    : 10-30-09 01:31:12 PM                     Operator: TOYAR
Sample    : CC1525-50                                Inst    : GC3G
Misc      : OP40644,g3g1537,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\3PST1525.M (Chemstation Integrator)
Title        : PEST
Last Update  : Tue Oct 20 10:44:11 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	11.285	11.859 E6	-5.1	100	0.00	2.45- 2.51
2	A	alpha-BHC	16.783	18.712 E6	-11.5	102	0.00	2.89- 2.95
3	MA	gamma-BHC	15.124	16.692 E6	-10.4	102	0.00	3.16- 3.22
4	MA	Heptachlor	15.941	17.763 E6	-11.4	105	0.00	3.59- 3.65
5	B	beta-BHC	7.061	7.095 E6	-0.5	103	0.00	3.24- 3.30
6	B	delta-BHC	14.082	15.439 E6	-9.6	100	0.00	3.41- 3.47
7	MB	Aldrin	14.788	16.329 E6	-10.4	103	0.00	3.88- 3.94
8	B	Heptachlor Epoxide	14.246	15.359 E6	-7.8	103	0.00	4.50- 4.56
9	B	gamma-Chlordane	14.175	15.350 E6	-8.3	103	0.00	4.63- 4.69
10	B	alpha-Chlordane	13.783	14.598 E6	-5.9	102	0.00	4.77- 4.83
11	A	Endosulfan I	14.342	15.559 E6	-8.5	105	0.00	4.92- 4.98
12	B	4,4'-DDE	11.803	12.983 E6	-10.0	99	0.00	4.86- 4.92
13	MA	Dieldrin	14.499	15.831 E6	-9.2	103	0.00	5.17- 5.23
14	MA	Endrin	12.873	14.672 E6	-14.0	106	0.00	5.43- 5.49
15	A	4,4'-DDD	11.062	12.029 E6	-8.7	101	0.00	5.51- 5.57
16	B	Endosulfan II	12.918	13.675 E6	-5.9	102	0.00	5.67- 5.73
17	MA	4,4'-DDT	11.222	12.659 E6	-12.8	103	0.00	5.81- 5.87
18	B	Endrin Aldehyde	11.051	11.071 E6	-0.2	101	-0.01	6.14- 6.20
19	B	Endosulfan Sulfate	11.075	11.442 E6	-3.3	101	-0.01	6.62- 6.68
20	A	Methoxychlor	6.335	6.043 E6	4.6	97	0.00	6.36- 6.42
21		Mirex	11.103	10.563 E6	4.9	102	-0.01	6.51- 6.57
22	B	Endrin Ketone	13.815	13.689 E6	0.9	100	-0.01	6.94- 7.00
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	11.670	11.430 E6	2.1	101	0.00	8.10- 8.16

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	11.081	12.154 E6	-9.7	104	0.00	2.40- 2.46
2	A	alpha-BHC	16.042	18.575 E6	-15.8#	105	0.00	2.88- 2.94
3	MA	gamma-BHC	14.640	16.932 E6	-15.7#	105	0.00	3.18- 3.24
4	MA	Heptachlor	14.870	17.870 E6	-20.2#	111	0.00	3.58- 3.64
5	B	beta-BHC	6.077	7.020 E6	-15.5#	106	0.00	3.25- 3.31

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-CC1525
Lab FileID: 3G41286.D

6	B	delta-BHC	12.913	14.663	E6	-13.6	100	0.00	3.52- 3.58
7	MB	Aldrin	14.070	16.276	E6	-15.7#	107	0.00	3.90- 3.96
8	B	Heptachlor Epoxide	13.362	15.076	E6	-12.8	107	0.00	4.48- 4.54
9	B	gamma-Chlordane	13.410	15.157	E6	-13.0	107	0.00	4.68- 4.74
10	B	alpha-Chlordane	12.956	14.415	E6	-11.3	106	0.00	4.84- 4.90
11	A	Endosulfan I	12.521	14.087	E6	-12.5	107	0.00	4.90- 4.96
12	B	4,4'-DDE	12.609	14.391	E6	-14.1	106	0.00	5.04- 5.10
13	MA	Dieldrin	13.308	15.303	E6	-15.0	107	0.00	5.20- 5.26
14	MA	Endrin	11.044	13.581	E6	-23.0#	113	0.00	5.53- 5.59
15	A	4,4'-DDD	9.612	10.917	E6	-13.6	104	0.00	5.68- 5.74
16	B	Endosulfan II	12.102	13.573	E6	-12.2	107	0.00	5.77- 5.83
17	MA	4,4'-DDT	8.841	11.278	E6	-27.6#	110	0.00	6.03- 6.09
18	B	Endrin Aldehyde	9.712	10.671	E6	-9.9	106	0.00	6.15- 6.21
19	B	Endosulfan Sulfate	10.075	10.958	E6	-8.8	104	0.00	6.46- 6.52
20	A	Methoxychlor	4.099	5.116	E6	-24.8#	114	0.00	6.82- 6.88
21		Mirex	9.396	10.019	E6	-6.6	106	0.00	7.01- 7.07
22	B	Endrin Ketone	12.859	13.544	E6	-5.3	98	0.00	7.06- 7.12
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	10.966	11.437	E6	-4.3	102	0.00	8.49- 8.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G40905.D 3PST1525.M Fri Oct 30 14:27:35 2009 GC3GJ

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-ECC1525
Lab FileID: 3G41295.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\MSDCHEM\1\DATA\1537\3G41295.D\ECD1A.CH    Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\1537\3G41295.D\ECD2B.CH
Acq On    : 10-30-09 06:12:08 PM                     Operator: TOYAR
Sample    : ECC1525-10                               Inst    : GC3G
Misc      : OP40686,g3g1537,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\3PST1525.M (Chemstation Integrator)
Title        : PEST
Last Update  : Fri Oct 30 14:59:53 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	11.285	10.746 E6	4.8	96	0.00	2.45- 2.51
2	A	alpha-BHC	16.783	18.079 E6	-7.7	110	0.00	2.89- 2.95
3	MA	gamma-BHC	15.124	14.291 E6	5.5	96	0.00	3.16- 3.22
4	MA	Heptachlor	15.941	14.829 E6	7.0	95	0.00	3.59- 3.65
5	B	beta-BHC	7.061	7.191 E6	-1.8	102	0.00	3.24- 3.30
6	B	delta-BHC	14.082	17.733 E6	-25.9#	130	0.00	3.40- 3.46
7	MB	Aldrin	14.788	13.801 E6	6.7	95	0.00	3.88- 3.94
8	B	Heptachlor Epoxide	14.246	13.253 E6	7.0	95	0.00	4.50- 4.56
9	B	gamma-Chlordane	14.175	13.035 E6	8.0	94	0.00	4.63- 4.69
10	B	alpha-Chlordane	13.783	12.469 E6	9.5	92	0.00	4.77- 4.83
11	A	Endosulfan I	14.342	12.669 E6	11.7	90	0.00	4.92- 4.98
12	B	4,4'-DDE	11.803	11.634 E6	1.4	103	-0.01	4.85- 4.91
13	MA	Dieldrin	14.499	13.072 E6	9.8	92	0.00	5.17- 5.23
14	MA	Endrin	12.873	11.937 E6	7.3	95	0.00	5.43- 5.49
15	A	4,4'-DDD	11.062	10.898 E6	1.5	101	0.00	5.51- 5.57
16	B	Endosulfan II	12.918	11.142 E6	13.7	88	-0.01	5.67- 5.73
17	MA	4,4'-DDT	11.222	10.427 E6	7.1	95	-0.01	5.81- 5.87
18	B	Endrin Aldehyde	11.051	8.818 E6	20.2#	83	-0.01	6.14- 6.20
19	B	Endosulfan Sulfate	11.075	9.429 E6	14.9	87	-0.01	6.62- 6.68
20	A	Methoxychlor	6.335	4.386 E6	30.8#	69	0.00	6.36- 6.42
21		Mirex	11.103	9.185 E6	17.3#	83	-0.01	6.51- 6.57
22	B	Endrin Ketone	13.815	11.511 E6	16.7#	83	-0.01	6.94- 7.00
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	11.670	9.386 E6	19.6#	80	0.00	8.09- 8.15

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	11.081	10.580 E6	4.5	98	0.00	2.40- 2.46
2	A	alpha-BHC	16.042	17.601 E6	-9.7	112	0.00	2.88- 2.94
3	MA	gamma-BHC	14.640	14.139 E6	3.4	99	0.00	3.18- 3.24
4	MA	Heptachlor	14.870	14.268 E6	4.0	98	0.00	3.58- 3.64
5	B	beta-BHC	6.077	6.863 E6	-12.9	120	0.00	3.25- 3.31

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: G3G1537-ECC1525
Lab FileID: 3G41295.D

6	B	delta-BHC	12.913	17.119 E6	-32.6#	140	0.00	3.52- 3.58
7	MB	Aldrin	14.070	13.346 E6	5.1	97	0.00	3.90- 3.96
8	B	Heptachlor Epoxide	13.362	12.059 E6	9.8	92	0.00	4.48- 4.54
9	B	gamma-Chlordane	13.410	12.817 E6	4.4	97	0.00	4.68- 4.74
10	B	alpha-Chlordane	12.956	12.375 E6	4.5	98	0.00	4.84- 4.90
11	A	Endosulfan I	12.521	12.375 E6	1.2	101	0.00	4.90- 4.96
12	B	4,4'-DDE	12.609	13.082 E6	-3.8	108	0.00	5.04- 5.10
13	MA	Dieldrin	13.308	12.708 E6	4.5	98	0.00	5.20- 5.26
14	MA	Endrin	11.044	11.445 E6	-3.6	106	0.00	5.53- 5.59
15	A	4,4'-DDD	9.612	9.888 E6	-2.9	106	0.00	5.68- 5.74
16	B	Endosulfan II	12.102	11.096 E6	8.3	94	0.00	5.77- 5.83
17	MA	4,4'-DDT	8.841	8.702 E6	1.6	103	0.00	6.03- 6.09
18	B	Endrin Aldehyde	9.712	8.555 E6	11.9	92	0.00	6.15- 6.21
19	B	Endosulfan Sulfate	10.075	8.650 E6	14.1	88	0.00	6.46- 6.52
20	A	Methoxychlor	4.099	4.013 E6	2.1	104	0.00	6.82- 6.88
21		Mirex	9.396	9.141 E6	2.7	98	0.00	7.01- 7.07
22	B	Endrin Ketone	12.859	11.558 E6	10.1	93	0.00	7.06- 7.12
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	10.966	12.883 E6	-17.5#	120	0.00	8.49- 8.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3G40907.D 3PST1525.M Sat Oct 31 10:00:02 2009 GC3GJ

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICC5361
Lab FileID: AB83847.D

Response Factor Report GCAB

Method : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title : PCB
Last Update : Tue Sep 15 11:17:58 2009
Response via : Initial Calibration

Calibration Files
50 =AB83844.D 250 =AB83845.D 500 =AB83846.D 1000=AB83847.D
2000 =AB83848.D 3000 =AB83849.D

	Compound	50	250	500	1000	2000	3000	Avg	%RSD
1) S	Tetrachloro-m-xylen	2.539	2.499	2.507	2.375	2.208	2.140	2.378 E4	7.10
2)	AR1221-A				2.357			2.357 E2	0.00
3)	AR1221-B				2.877			2.877 E2	0.00
4)	AR1221-C				9.261			9.261 E2	0.00
5)	AR1221-D				1.465			1.465 E2	0.00
6)	AR1221-E				1.064			1.064 E2	0.00
7)	AR1232-A				7.209			7.209 E2	0.00
8)	AR1232-B				4.468			4.468 E2	0.00
9)	AR1232-C				1.015			1.015 E3	0.00
10)	AR1232-D				3.845			3.845 E2	0.00
11)	AR1232-E				3.368			3.368 E2	0.00
12)	AR1242-A				7.706			7.706 E2	0.00
13)	AR1242-B				1.735			1.735 E3	0.00
14)	AR1242-C				6.718			6.718 E2	0.00
15)	AR1242-D				6.314			6.314 E2	0.00
16)	AR1242-E				1.003			1.003 E3	0.00
17)	AR1248-A				4.098			4.098 E2	0.00
18)	AR1248-B				1.108			1.108 E3	0.00
19)	AR1248-C				1.575			1.575 E3	0.00
20)	AR1248-D				9.523			9.523 E2	0.00
21)	AR1248-E				1.778			1.778 E3	0.00
22)	AR1248-F				1.717			1.717 E3	0.00
23)	AR1254-A				9.865			9.865 E2	0.00
24)	AR1254-B				1.296			1.296 E3	0.00
25)	AR1254-C				8.944			8.944 E2	0.00
26)	AR1254-D				1.730			1.730 E3	0.00
27)	AR1254-E				8.182			8.182 E2	0.00
28)	AR1254-F				1.627			1.627 E3	0.00
29)	AR1254-G				1.644			1.644 E3	0.00
30)	AR1254-H				2.037			2.037 E3	0.00
31)	AR1016-A	5.914	5.098	5.286	4.998	4.585	4.422	5.050 E2	10.54
32)	AR1016-B	1.169	0.981	0.965	0.888	0.790	0.747	0.923 E3	16.44
33)	AR1016-C	2.171	2.081	2.087	1.996	1.828	1.627	1.965 E3	10.31
34)	AR1016-D	8.262	8.714	8.353	7.720	6.820	6.494	7.727 E2	11.57
35)	AR1016-E	7.983	8.028	7.765	7.366	6.785	6.502	7.405 E2	8.66
36)	AR1260-A	3.369	3.117	2.971	2.826	2.512	2.381	2.863 E3	12.97
37)	AR1260-B	2.499	2.393	2.325	2.241	2.028	1.933	2.237 E3	9.73
38)	AR1260-C	1.948	1.850	1.688	1.591	1.412	1.326	1.636 E3	14.82
39)	AR1260-D	1.445	1.364	1.344	1.290	1.147	1.091	1.280 E3	10.60
40)	AR1260-E	3.658	3.454	3.450	3.309	3.048	2.899	3.303 E3	8.55
41)	AR1260-F	2.364	2.285	2.243	2.171	1.953	1.903	2.153 E3	8.64
42)	AR1262-A				1.499			1.499 E3	0.00
43)	AR1262-B				2.293			2.293 E3	0.00
44)	AR1262-C				1.664			1.664 E3	0.00
45)	AR1262-D				3.882			3.882 E3	0.00
46)	AR1262-E				2.631			2.631 E3	0.00
47)	AR1268-A				3.881			3.881 E3	0.00

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICC5361
Lab FileID: AB83847.D

48)		AR1268-B				4.233			4.233	E3	0.00
49)		AR1268-C				3.221			3.221	E3	0.00
50)		AR1268-D				1.441			1.441	E3	0.00
51)		AR1268-E				8.195			8.195	E3	0.00
52)	S	Decachlorobiphenyl	3.024	2.980	2.815	2.650	2.371	2.253	2.682	E4	11.85

Signal #2

1)	S	Tetrachloro-m-xylen	1.421	1.537	1.589	1.641	1.649	1.683	1.587	E4	6.06
2)		AR1221-A				2.363			2.363	E2	0.00
3)		AR1221-B				2.329			2.329	E2	0.00
4)		AR1221-C				6.745			6.745	E2	0.00
5)		AR1221-D				1.264			1.264	E2	0.00
6)		AR1221-E				1.021			1.021	E2	0.00
7)		AR1232-A				5.064			5.064	E2	0.00
8)		AR1232-B				3.962			3.962	E2	0.00
9)		AR1232-C				7.653			7.653	E2	0.00
10)		AR1232-D				3.602			3.602	E2	0.00
11)		AR1232-E				3.134			3.134	E2	0.00
12)		AR1242-A				6.746			6.746	E2	0.00
13)		AR1242-B				1.353			1.353	E3	0.00
14)		AR1242-C				6.539			6.539	E2	0.00
15)		AR1242-D				6.715			6.715	E2	0.00
16)		AR1242-E				6.116			6.116	E2	0.00
17)		AR1248-A				3.683			3.683	E2	0.00
18)		AR1248-B				8.773			8.773	E2	0.00
19)		AR1248-C				5.074			5.074	E2	0.00
20)		AR1248-D				9.302			9.302	E2	0.00
21)		AR1248-E				1.018			1.018	E3	0.00
22)		AR1248-F				1.118			1.118	E3	0.00
23)		AR1254-A				9.431			9.431	E2	0.00
24)		AR1254-B				8.956			8.956	E2	0.00
25)		AR1254-C				6.234			6.234	E2	0.00
26)		AR1254-D				1.348			1.348	E3	0.00
27)		AR1254-E				1.106			1.106	E3	0.00
28)		AR1254-F				7.843			7.843	E2	0.00
29)		AR1254-G				8.243			8.243	E2	0.00
30)		AR1254-H				1.501			1.501	E3	0.00
31)		AR1016-A	4.525	4.658	4.443	4.216	4.074	3.896	4.302	E2	6.74
32)		AR1016-B	9.699	7.880	8.344	7.633	6.722	6.414	7.782	E2	15.23
33)		AR1016-C	1.854	1.663	1.652	1.532	1.379	1.317	1.566	E3	12.71
34)		AR1016-D	8.832	7.988	7.979	7.381	6.683	6.313	7.529	E2	12.35
35)		AR1016-E	8.232	7.208	7.599	7.158	7.010	6.626	7.306	E2	7.56
36)		AR1260-A	1.694	1.462	1.420	1.268	1.096	1.029	1.328	E3	18.67
37)		AR1260-B	1.948	1.813	1.756	1.650	1.487	1.435	1.682	E3	11.68
38)		AR1260-C	1.330	1.184	1.123	1.009	0.887	0.842	1.063	E3	17.47
39)		AR1260-D	1.179	1.082	1.040	0.969	0.877	0.840	0.998	E3	12.84
40)		AR1260-E	2.542	2.508	2.371	2.231	2.046	1.980	2.280	E3	10.32
41)		AR1260-F	1.710	1.620	1.599	1.542	1.401	1.347	1.536	E3	8.97
42)		AR1262-A				1.061			1.061	E3	0.00
43)		AR1262-B				1.465			1.465	E3	0.00
44)		AR1262-C				1.217			1.217	E3	0.00
45)		AR1262-D				2.729			2.729	E3	0.00
46)		AR1262-E				1.931			1.931	E3	0.00
47)		AR1268-A				3.140			3.140	E3	0.00
48)		AR1268-B				3.573			3.573	E3	0.00
49)		AR1268-C				2.739			2.739	E3	0.00
50)		AR1268-D				1.202			1.202	E3	0.00
51)		AR1268-E				7.401			7.401	E3	0.00
52)	S	Decachlorobiphenyl	3.061	2.702	2.839	2.417	2.203	2.058	2.547	E4	15.19

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICC5361
Lab FileID: AB83847.D

(#) = Out of Range

GAB5361.M Tue Sep 15 11:18:40 2009 GCAB

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICV5361
Lab FileID: AB83850.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5361\AB83850.D\ECD1A.CH     Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\5361\AB83850.D\ECD2B.CH
Acq On    : 11 Sep 2009   9:16 pm                    Operator: owenm
Sample    : icv5361-1000                             Inst    : GCAB
Misc      : OP39827,GAB5361,15.0,,,1,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Tue Sep 15 11:17:58 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	22.638 E3	4.8	95	0.00	2.85- 2.91
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	502.362	0.5	101	0.00	3.36- 3.50
32	AR1016-B	0.923	0.899 E3	2.6	101	0.00	3.89- 4.06
33	AR1016-C	1.965	1.988 E3	-1.2	100	0.00	4.73- 4.87
34	AR1016-D	772.716	779.973	-0.9	101	0.00	4.96- 5.11
35	AR1016-E	740.491	736.633	0.5	100	0.00	5.69- 5.83
36	AR1260-A	2.863	2.756 E3	3.7	98	0.00	8.59- 8.73
37	AR1260-B	2.237	2.157 E3	3.6	96	0.00	9.14- 9.28
38	AR1260-C	1.636	1.577 E3	3.6	99	0.00	9.36- 9.50
39	AR1260-D	1.280	1.273 E3	0.5	99	0.00	9.85- 9.99
40	AR1260-E	3.303	3.343 E3	-1.2	101	0.00	10.52-10.58
41	AR1260-F	2.153	2.097 E3	2.6	97	0.00	11.03-11.19

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICV5361
Lab FileID: AB83850.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	25.351 E3	5.5	96	0.00	13.28-13.34	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	15.866	15.329 E3	3.4	93	0.00	3.32- 3.38	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	443.131	-3.0	105	0.00	4.09- 4.15	
32		AR1016-B	778.213	768.715	1.2	101	0.00	4.76- 4.82	
33		AR1016-C	1.566	1.543 E3	1.5	101	0.00	5.55- 5.61	
34		AR1016-D	752.942	747.182	0.8	101	0.00	5.78- 5.84	
35		AR1016-E	730.559	734.877	-0.6	103	0.00	6.62- 6.68	
36		AR1260-A	1.328	1.244 E3	6.3	98	0.00	9.35- 9.41	
37		AR1260-B	1.682	1.589 E3	5.5	96	0.00	10.02-10.08	
38		AR1260-C	1.063	1.005 E3	5.5	100	0.00	10.20-10.26	
39		AR1260-D	0.998	0.958 E3	4.0	99	0.00	10.75-10.81	
40		AR1260-E	2.280	2.365 E3	-3.7	106	0.00	11.24-11.30	
41		AR1260-F	1.536	1.523 E3	0.8	99	0.00	11.93-11.99	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5361-ICV5361
Lab FileID: AB83850.D

47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	25.469	25.764	E3	-1.2	107	0.00	14.16-14.22

Average % D = 2.6

(0.0 %) 0 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB83847.D GAB5361.M Tue Sep 15 11:20:22 2009 GCAB

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84624.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5388\AB84624.D\ECD1A.CH     Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\5388\AB84624.D\ECD2B.CH
Acq On    : 30 Oct 2009   4:39 pm                    Operator: jene
Sample    : cc5361-500                               Inst    : GCAB
Misc      : OP40677,GAB5388,1000,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	21.417 E3	9.9	85	0.00	2.89- 2.95
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	464.881	8.0	88	0.01	3.41- 3.55
32	AR1016-B	0.923	0.882 E3	4.4	91	0.01	3.94- 4.11
33	AR1016-C	1.965	1.925 E3	2.0	92	0.03	4.79- 4.93
34	AR1016-D	772.716	779.355	-0.9	93	0.02	5.01- 5.16
35	AR1016-E	740.491	707.916	4.4	91	0.02	5.73- 5.87
36	AR1260-A	2.863	2.845 E3	0.6	96	0.03	8.61- 8.75
37	AR1260-B	2.237	2.068 E3	7.6	89	0.03	9.17- 9.31
38	AR1260-C	1.636	1.566 E3	4.3	93	0.03	9.39- 9.53
39	AR1260-D	1.280	1.230 E3	3.9	91	0.03	9.87-10.01
40	AR1260-E	3.303	3.198 E3	3.2	93	0.03	10.54-10.60
41	AR1260-F	2.153	2.036 E3	5.4	91	0.01	11.05-11.21

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84624.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	26.707 E3	0.4	95	0.03	13.30-13.36	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	15.866	16.040 E3	-1.1	101	0.00	3.35- 3.41	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	491.715	-14.3	111	0.00	4.11- 4.17	
32		AR1016-B	778.213	828.098	-6.4	99	0.00	4.77- 4.83	
33		AR1016-C	1.566	1.658 E3	-5.9	100	0.00	5.57- 5.63	
34		AR1016-D	752.942	798.025	-6.0	100	0.01	5.80- 5.86	
35		AR1016-E	730.559	712.966	2.4	94	0.01	6.63- 6.69	
36		AR1260-A	1.328	1.517 E3	-14.2	107	0.01	9.36- 9.42	
37		AR1260-B	1.682	1.841 E3	-9.5	105	0.01	10.02-10.08	
38		AR1260-C	1.063	1.196 E3	-12.5	107	0.01	10.19-10.25	
39		AR1260-D	0.998	1.045 E3	-4.7	100	0.00	10.74-10.80	
40		AR1260-E	2.280	2.402 E3	-5.4	101	0.01	11.24-11.30	
41		AR1260-F	1.536	1.581 E3	-2.9	99	0.01	11.92-11.98	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84624.D

47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	25.469	26.297	E3	-3.3	93	0.02	14.16-14.22

Average % D = 5.5

(0.0 %) 0 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB83846.D GAB5361.M Fri Oct 30 16:59:42 2009 GCAB

7.7.27

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84635.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5388\AB84635.D\ECD1A.CH     Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\5388\AB84635.D\ECD2B.CH
Acq On    : 30 Oct 2009   9:46 pm                    Operator: jene
Sample    : cc5361-1000                              Inst    : GCAB
Misc      : OP40677,GAB5388,900,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	23.576 E3	0.9	99	0.00	2.89- 2.95
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	480.778	4.8	96	0.01	3.41- 3.55
32	AR1016-B	0.923	0.862 E3	6.6	97	0.00	3.93- 4.11
33	AR1016-C	1.965	1.809 E3	7.9	91	0.02	4.79- 4.93
34	AR1016-D	772.716	770.869	0.2	100	0.02	5.01- 5.16
35	AR1016-E	740.491	713.350	3.7	97	0.02	5.73- 5.87
36	AR1260-A	2.863	2.659 E3	7.1	94	0.03	8.62- 8.76
37	AR1260-B	2.237	2.104 E3	5.9	94	0.04	9.18- 9.32
38	AR1260-C	1.636	1.545 E3	5.6	97	0.03	9.39- 9.53
39	AR1260-D	1.280	1.192 E3	6.9	92	0.04	9.88-10.02
40	AR1260-E	3.303	3.307 E3	-0.1	100	0.04	10.55-10.61
41	AR1260-F	2.153	2.011 E3	6.6	93	0.09	11.13-11.28

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84635.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	27.834 E3	-3.8	105	0.04	13.31-13.37	

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	15.866	17.872 E3	-12.6	109	0.00	3.35- 3.41	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	494.563	-15.0	117	0.02	4.12- 4.18	
32		AR1016-B	778.213	814.398	-4.6	107	0.01	4.78- 4.84	
33		AR1016-C	1.566	1.605 E3	-2.5	105	0.02	5.58- 5.64	
34		AR1016-D	752.942	812.277	-7.9	110	0.02	5.81- 5.87	
35		AR1016-E	730.559	721.130	1.3	101	0.02	6.64- 6.70	
36		AR1260-A	1.328	1.397 E3	-5.2	110	0.03	9.37- 9.43	
37		AR1260-B	1.682	1.774 E3	-5.5	107	0.03	10.03-10.09	
38		AR1260-C	1.063	1.137 E3	-7.0	113	0.03	10.21-10.27	
39		AR1260-D	0.998	1.051 E3	-5.3	108	0.03	10.76-10.82	
40		AR1260-E	2.280	2.582 E3	-13.2	116	0.03	11.25-11.31	
41		AR1260-F	1.536	1.570 E3	-2.2	102	0.03	11.94-12.00	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-CC5361
Lab FileID: AB84635.D

```
47      AR1268-A                          ----------NA----------
48      AR1268-B                          ----------NA----------
49      AR1268-C                          ----------NA----------
50      AR1268-D                          ----------NA----------
51      AR1268-E                          ----------NA----------
52 S    Decachlorobiphenyl      25.469  26.743 E3  -5.0  111   0.03   14.17-14.23
---------------------------------------------------------------------------

                                                Average % D =   5.7

 (  0.0 %)  0 of  26 compounds'%D > 15
---------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    AB84624.D  GAB5361.M        Mon Nov 02 13:44:02 2009   GCAB
```

7.7.28

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-ECC5361
Lab FileID: AB84646.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5388\AB84646.D\ECD1A.CH     Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\5388\AB84646.D\ECD2B.CH
Acq On    : 31 Oct 2009   2:15 am                    Operator: jene
Sample    : ecc5361-500                              Inst    : GCAB
Misc      : OP40677,GAB5388,1000,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	21.288 E3	10.5	85	0.00	2.88- 2.94
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	395.141	21.8#	75	0.02	3.41- 3.55
32	AR1016-B	0.923	0.931 E3	-0.9	96	0.00	3.93- 4.10
33	AR1016-C	1.965	1.612 E3	18.0#	77	0.05	4.82- 4.96
34	AR1016-D	772.716	806.686	-4.4	97	0.02	5.01- 5.16
35	AR1016-E	740.491	690.499	6.8	89	0.02	5.73- 5.87
36	AR1260-A	2.863	2.775 E3	3.1	93	0.04	8.63- 8.77
37	AR1260-B	2.237	2.047 E3	8.5	88	0.05	9.19- 9.33
38	AR1260-C	1.636	1.584 E3	3.2	94	0.04	9.40- 9.54
39	AR1260-D	1.280	1.204 E3	5.9	90	0.04	9.88-10.02
40	AR1260-E	3.303	3.206 E3	2.9	93	0.05	10.56-10.62
41	AR1260-F	2.153	1.922 E3	10.7	86	0.09	11.13-11.29

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-ECC5361
Lab FileID: AB84646.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	27.740 E3	-3.4	99	0.04	13.32-13.38	

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	15.866	15.908 E3	-0.3	100	0.00	3.35- 3.41	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	456.948	-6.2	103	0.02	4.12- 4.18	
32		AR1016-B	778.213	789.362	-1.4	95	0.01	4.78- 4.84	
33		AR1016-C	1.566	1.492 E3	4.7	90	0.03	5.59- 5.65	
34		AR1016-D	752.942	787.519	-4.6	99	0.03	5.82- 5.88	
35		AR1016-E	730.559	665.637	8.9	88	0.02	6.64- 6.70	
36		AR1260-A	1.328	1.323 E3	0.4	93	0.03	9.38- 9.44	
37		AR1260-B	1.682	1.603 E3	4.7	91	0.03	10.04-10.10	
38		AR1260-C	1.063	1.111 E3	-4.5	99	0.03	10.21-10.27	
39		AR1260-D	0.998	1.011 E3	-1.3	97	0.03	10.76-10.82	
40		AR1260-E	2.280	2.286 E3	-0.3	96	0.03	11.25-11.31	
41		AR1260-F	1.536	1.469 E3	4.4	92	0.03	11.94-12.00	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5388-ECC5361
Lab FileID: AB84646.D

47		AR1268-A		----------NA----------				
48		AR1268-B		----------NA----------				
49		AR1268-C		----------NA----------				
50		AR1268-D		----------NA----------				
51		AR1268-E		----------NA----------				
52	S	Decachlorobiphenyl	25.469	26.452 E3	-3.9	93	0.02	14.17-14.23

Average % D = 5.6

(7.7 %) 2 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB83846.D GAB5361.M Mon Nov 02 13:53:19 2009 GCAB

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84648.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5389\AB84648.D\ECD1A.CH     Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\5389\AB84648.D\ECD2B.CH
Acq On    :  2 Nov 2009  10:34 am                    Operator: jene
Sample    : cc5361-1000                              Inst    : GCAB
Misc      : OP40677,GAB5389,1000,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	21.426 E3	9.9	90	-0.06	2.83- 2.89
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	450.429	10.8	90	-0.06	3.34- 3.48
32	AR1016-B	0.923	0.805 E3	12.8	91	-0.06	3.86- 4.04
33	AR1016-C	1.965	1.742 E3	11.3	87	-0.06	4.71- 4.85
34	AR1016-D	772.716	692.863	10.3	90	-0.06	4.93- 5.08
35	AR1016-E	740.491	647.816	12.5	88	-0.05	5.66- 5.80
36	AR1260-A	2.863	2.454 E3	14.3	87	-0.02	8.57- 8.71
37	AR1260-B	2.237	1.959 E3	12.4	87	0.00	9.13- 9.27
38	AR1260-C	1.636	1.397 E3	14.6	88	0.00	9.35- 9.49
39	AR1260-D	1.280	1.086 E3	15.2#	84	0.00	9.84- 9.98
40	AR1260-E	3.303	2.967 E3	10.2	90	0.01	10.52-10.58
41	AR1260-F	2.153	1.801 E3	16.3#	83	0.02	11.06-11.22

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84648.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	24.820 E3	7.5	94	0.02	13.30-13.36	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	15.866	17.193 E3	-8.4	105	-0.05	3.30- 3.36	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	450.387	-4.7	107	-0.05	4.05- 4.12	
32		AR1016-B	778.213	796.164	-2.3	104	-0.05	4.72- 4.78	
33		AR1016-C	1.566	1.563 E3	0.2	102	-0.04	5.51- 5.57	
34		AR1016-D	752.942	776.446	-3.1	105	-0.04	5.75- 5.81	
35		AR1016-E	730.559	703.731	3.7	98	-0.04	6.58- 6.64	
36		AR1260-A	1.328	1.359 E3	-2.3	107	0.00	9.34- 9.40	
37		AR1260-B	1.682	1.709 E3	-1.6	104	0.00	10.01-10.07	
38		AR1260-C	1.063	1.087 E3	-2.3	108	0.00	10.18-10.24	
39		AR1260-D	0.998	1.004 E3	-0.6	104	0.00	10.74-10.80	
40		AR1260-E	2.280	2.457 E3	-7.8	110	0.00	11.23-11.29	
41		AR1260-F	1.536	1.511 E3	1.6	98	0.01	11.92-11.98	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84648.D

47		AR1268-A		----------NA----------				
48		AR1268-B		----------NA----------				
49		AR1268-C		----------NA----------				
50		AR1268-D		----------NA----------				
51		AR1268-E		----------NA----------				
52	S	Decachlorobiphenyl	25.469	24.611 E3	3.4	102	0.02	14.16-14.22

Average % D = 7.7

(7.7 %) 2 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB84624.D GAB5361.M Mon Nov 02 13:57:32 2009 GCAB

7.7.30

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84659.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5389\AB84659.D\ECD1A.CH     Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\5389\AB84659.D\ECD2B.CH
Acq On    :  2 Nov 2009   3:19 pm                    Operator: jene
Sample    : cc5361-500                               Inst    : GCAB
Misc      : OP40703,GAB5389,8.3,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	21.238 E3	10.7	85	0.00	2.88- 2.94
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	447.921	11.3	85	0.00	3.39- 3.53
32	AR1016-B	0.923	0.843 E3	8.7	87	0.00	3.93- 4.10
33	AR1016-C	1.965	1.936 E3	1.5	93	0.00	4.77- 4.91
34	AR1016-D	772.716	745.481	3.5	89	0.00	5.00- 5.15
35	AR1016-E	740.491	686.808	7.2	88	0.00	5.72- 5.86
36	AR1260-A	2.863	2.696 E3	5.8	91	0.03	8.61- 8.75
37	AR1260-B	2.237	2.066 E3	7.6	89	0.03	9.17- 9.31
38	AR1260-C	1.636	1.506 E3	7.9	89	0.03	9.39- 9.53
39	AR1260-D	1.280	1.172 E3	8.4	87	0.03	9.87-10.01
40	AR1260-E	3.303	3.049 E3	7.7	88	0.03	10.55-10.61
41	AR1260-F	2.153	1.965 E3	8.7	88	0.02	11.06-11.22

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84659.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	26.008 E3	3.0	92	0.03	13.31-13.37	

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	15.866	16.645 E3	-4.9	105	0.00	3.34- 3.40	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	489.009	-13.7	110	0.00	4.11- 4.17	
32		AR1016-B	778.213	846.903	-8.8	101	0.00	4.78- 4.84	
33		AR1016-C	1.566	1.706 E3	-8.9	103	0.01	5.57- 5.63	
34		AR1016-D	752.942	816.672	-8.5	102	0.01	5.80- 5.86	
35		AR1016-E	730.559	752.694	-3.0	99	0.01	6.63- 6.69	
36		AR1260-A	1.328	1.470 E3	-10.7	103	0.02	9.37- 9.43	
37		AR1260-B	1.682	1.786 E3	-6.2	102	0.03	10.03-10.09	
38		AR1260-C	1.063	1.140 E3	-7.2	102	0.03	10.21-10.27	
39		AR1260-D	0.998	1.016 E3	-1.8	98	0.03	10.76-10.82	
40		AR1260-E	2.280	2.303 E3	-1.0	97	0.03	11.25-11.31	
41		AR1260-F	1.536	1.543 E3	-0.5	97	0.03	11.94-12.00	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84659.D

47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	25.469	24.598 E3	3.4	87	0.03	14.17-14.23	

Average % D = 6.6

(0.0 %) 0 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB83846.D GAB5361.M Tue Nov 03 09:30:50 2009 GCAB

7.7.31

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84670.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5389\AB84670.D\ECD1A.CH     Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\5389\AB84670.D\ECD2B.CH
Acq On    :  2 Nov 2009   7:54 pm                    Operator: jene
Sample    : cc5361-1000                              Inst    : GCAB
Misc      : OP40703,GAB5389,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	23.493 E3	1.2	99	-0.02	2.87- 2.93
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	457.439	9.4	92	0.00	3.40- 3.54
32	AR1016-B	0.923	0.864 E3	6.4	97	0.00	3.93- 4.10
33	AR1016-C	1.965	1.764 E3	10.2	88	0.03	4.79- 4.93
34	AR1016-D	772.716	745.181	3.6	97	0.02	5.01- 5.16
35	AR1016-E	740.491	675.595	8.8	92	0.03	5.74- 5.88
36	AR1260-A	2.863	2.798 E3	2.3	99	0.05	8.64- 8.78
37	AR1260-B	2.237	2.235 E3	0.1	100	0.06	9.19- 9.33
38	AR1260-C	1.636	1.593 E3	2.6	100	0.05	9.41- 9.55
39	AR1260-D	1.280	1.221 E3	4.6	95	0.06	9.90-10.04
40	AR1260-E	3.303	3.389 E3	-2.6	102	0.06	10.57-10.63
41	AR1260-F	2.153	1.952 E3	9.3	90	0.09	11.13-11.29

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84670.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	27.663 E3	-3.1	104	0.05	13.33-13.39	

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	15.866	17.849 E3	-12.5	109	0.00	3.34- 3.40	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	471.982	-9.7	112	0.01	4.12- 4.18	
32		AR1016-B	778.213	819.516	-5.3	107	0.01	4.78- 4.84	
33		AR1016-C	1.566	1.598 E3	-2.0	104	0.02	5.58- 5.64	
34		AR1016-D	752.942	818.633	-8.7	111	0.03	5.82- 5.88	
35		AR1016-E	730.559	723.313	1.0	101	0.03	6.64- 6.70	
36		AR1260-A	1.328	1.390 E3	-4.7	110	0.04	9.38- 9.44	
37		AR1260-B	1.682	1.737 E3	-3.3	105	0.04	10.05-10.11	
38		AR1260-C	1.063	1.140 E3	-7.2	113	0.04	10.22-10.28	
39		AR1260-D	0.998	1.044 E3	-4.6	108	0.04	10.77-10.83	
40		AR1260-E	2.280	2.577 E3	-13.0	116	0.04	11.26-11.32	
41		AR1260-F	1.536	1.549 E3	-0.8	100	0.04	11.96-12.02	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-CC5361
Lab FileID: AB84670.D

47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	25.469	26.814 E3	-5.3	111	0.04	14.18-14.24	

Average % D = 5.5

(0.0 %) 0 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB84624.D GAB5361.M Tue Nov 03 09:25:21 2009 GCAB

7.7.32

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-ECC5361
Lab FileID: AB84681.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\5389\AB84681.D\ECD1A.CH     Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\5389\AB84681.D\ECD2B.CH
Acq On    :  3 Nov 2009   1:01 am                    Operator: jene
Sample    : ecc5361-500                              Inst    : GCAB
Misc      : OP40703,GAB5389,17.3,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\GAB5361.M (Chemstation Integrator)
Title        : PCB
Last Update  : Fri Oct 30 16:01:56 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	23.780	22.098 E3	7.1	88	0.00	2.89- 2.95
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1254-A		----------NA----------				
24	AR1254-B		----------NA----------				
25	AR1254-C		----------NA----------				
26	AR1254-D		----------NA----------				
27	AR1254-E		----------NA----------				
28	AR1254-F		----------NA----------				
29	AR1254-G		----------NA----------				
30	AR1254-H		----------NA----------				
31	AR1016-A	505.045	400.882	20.6#	76	0.03	3.42- 3.56
32	AR1016-B	0.923	0.952 E3	-3.1	99	0.01	3.94- 4.11
33	AR1016-C	1.965	1.625 E3	17.3#	78	0.06	4.83- 4.97
34	AR1016-D	772.716	813.809	-5.3	97	0.03	5.02- 5.17
35	AR1016-E	740.491	697.981	5.7	90	0.03	5.74- 5.88
36	AR1260-A	2.863	2.750 E3	3.9	93	0.05	8.64- 8.78
37	AR1260-B	2.237	2.085 E3	6.8	90	0.07	9.21- 9.35
38	AR1260-C	1.636	1.603 E3	2.0	95	0.05	9.41- 9.55
39	AR1260-D	1.280	1.204 E3	5.9	90	0.06	9.90-10.04
40	AR1260-E	3.303	3.265 E3	1.2	95	0.06	10.57-10.63
41	AR1260-F	2.153	1.874 E3	13.0	84	0.10	11.14-11.30

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-ECC5361
Lab FileID: AB84681.D

42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				
47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	26.821	28.012 E3	-4.4	100	0.05	13.33-13.39	

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	15.866	16.773 E3	-5.7	106	0.02	3.36- 3.42	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1254-A			----------NA----------				
24		AR1254-B			----------NA----------				
25		AR1254-C			----------NA----------				
26		AR1254-D			----------NA----------				
27		AR1254-E			----------NA----------				
28		AR1254-F			----------NA----------				
29		AR1254-G			----------NA----------				
30		AR1254-H			----------NA----------				
31		AR1016-A	430.216	478.765	-11.3	108	0.03	4.14- 4.20	
32		AR1016-B	778.213	874.912	-12.4	105	0.03	4.79- 4.85	
33		AR1016-C	1.566	1.549 E3	1.1	94	0.04	5.60- 5.66	
34		AR1016-D	752.942	827.389	-9.9	104	0.04	5.84- 5.90	
35		AR1016-E	730.559	695.069	4.9	91	0.04	6.66- 6.72	
36		AR1260-A	1.328	1.498 E3	-12.8	105	0.05	9.39- 9.45	
37		AR1260-B	1.682	1.771 E3	-5.3	101	0.05	10.06-10.12	
38		AR1260-C	1.063	1.209 E3	-13.7	108	0.05	10.23-10.29	
39		AR1260-D	0.998	1.064 E3	-6.6	102	0.05	10.78-10.84	
40		AR1260-E	2.280	2.609 E3	-14.4	110	0.05	11.27-11.33	
41		AR1260-F	1.536	1.511 E3	1.6	94	0.05	11.96-12.02	
42		AR1262-A			----------NA----------				
43		AR1262-B			----------NA----------				
44		AR1262-C			----------NA----------				
45		AR1262-D			----------NA----------				
46		AR1262-E			----------NA----------				

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GAB5389-ECC5361
Lab FileID: AB84681.D

47		AR1268-A			----------NA----------				
48		AR1268-B			----------NA----------				
49		AR1268-C			----------NA----------				
50		AR1268-D			----------NA----------				
51		AR1268-E			----------NA----------				
52	S	Decachlorobiphenyl	25.469	27.708 E3	-8.8	98	0.04	14.18-14.24	

Average % D = 7.9

(7.7 %) 2 of 26 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
AB83846.D GAB5361.M Tue Nov 03 09:28:43 2009 GCAB

7.7.33

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICC3846
Lab FileID: EF86384.D

Response Factor Report GCEF

Method : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title : GC/ECD- PCB
Last Update : Mon Oct 19 12:07:20 2009

Calibration Files
3000 =EF86386.D 2000 =EF86385.D 1000 =EF86384.D
500 =EF86383.D 250 =EF86382.D 50 =EF86381.D

	Compound	3000	2000	1000	500	250	50	Avg	%RSD
1) S	Tetrachloro-m-xylen	1.979	1.951	1.870	1.744	1.641	1.545	1.788 E4	9.77
2)	AR1221-A			2.484				2.484 E2	0.00
3)	AR1221-B			2.286				2.286 E2	0.00
4)	AR1221-C			7.955				7.955 E2	0.00
5)	AR1221-D			1.552				1.552 E2	0.00
6)	AR1221-E			9.354				9.354 E1	0.00
7)	AR1232-A			5.630				5.630 E2	0.00
8)	AR1232-B			4.060				4.060 E2	0.00
9)	AR1232-C			7.158				7.158 E2	0.00
10)	AR1232-D			2.870				2.870 E2	0.00
11)	AR1232-E			2.914				2.914 E2	0.00
12)	AR1242-A			7.087				7.087 E2	0.00
13)	AR1242-B			1.353				1.353 E3	0.00
14)	AR1242-C			5.367				5.367 E2	0.00
15)	AR1242-D			5.797				5.797 E2	0.00
16)	AR1242-E			8.252				8.252 E2	0.00
17)	AR1248-A			3.710				3.710 E2	0.00
18)	AR1248-B			8.664				8.664 E2	0.00
19)	AR1248-C			9.471				9.471 E2	0.00
20)	AR1248-D			8.369				8.369 E2	0.00
21)	AR1248-E			7.707				7.707 E2	0.00
22)	AR1248-F			1.309				1.309 E3	0.00
23)	AR1248-G			1.193				1.193 E3	0.00
24)	AR1254-A			7.226				7.226 E2	0.00
25)	AR1254-B			1.269				1.269 E3	0.00
26)	AR1254-C			7.221				7.221 E2	0.00
27)	AR1254-D			1.320				1.320 E3	0.00
28)	AR1254-E			9.302				9.302 E2	0.00
29)	AR1254-F			1.084				1.084 E3	0.00
30)	AR1254-G			1.392				1.392 E3	0.00
31)	AR1262-A			8.313				8.313 E2	0.00
32)	AR1262-B			1.176				1.176 E3	0.00
33)	AR1262-C			1.056				1.056 E3	0.00
34)	AR1262-D			2.510				2.510 E3	0.00
35)	AR1262-E			1.502				1.502 E3	0.00
36)	AR1268-A			2.138				2.138 E3	0.00
37)	AR1268-B			3.042				3.042 E3	0.00
38)	AR1268-C			2.073				2.073 E3	0.00
39)	AR1268-D			9.750				9.750 E2	0.00
40)	AR1268-E			6.294				6.294 E3	0.00
41)	AR1016-A	4.195	4.282	4.445	4.619	4.782	4.943	4.544 E2	6.39
42)	AR1016-B	0.694	0.722	0.781	0.839	0.897	1.002	0.823 E3	14.00
43)	AR1016-C	1.450	1.471	1.498	1.485	1.457	1.344	1.451 E3	3.81
44)	AR1016-D	5.664	5.786	6.024	6.205	6.312	5.667	5.943 E2	4.70
45)	AR1016-E	5.953	6.126	6.444	6.816	7.219	7.881	6.740 E2	10.74
46)	AR1260-A	1.467	1.527	1.643	1.703	1.803	2.079	1.704 E3	12.91
47)	AR1260-B	1.328	1.378	1.416	1.352	1.352	1.472	1.383 E3	3.82
48)	AR1260-C	7.332	7.508	7.800	7.561	7.798	8.984	7.830 E2	7.57

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICC3846
Lab FileID: EF86384.D

49)		AR1260-D	1.918	1.989	2.064	1.934	1.981	2.378	2.044 E3	8.39
50)		AR1260-E	1.921	1.963	1.993	1.937	1.849	2.006	1.945 E3	2.92
51)	S	Decachlorobiphenyl	1.858	1.939	2.093	2.168	2.191	2.204	2.075 E4	6.98

Signal #2 Calibration Files

3000	=EF86386.D	2000	=EF86385.D	1000	=EF86384.D
500	=EF86383.D	250	=EF86382.D	50	=EF86381.D

		Compound	3000	2000	1000	500	250	50	Avg	%RSD
1)	S	Tetrachloro-m-xylen	2.549	2.475	2.311	2.128	2.009	1.712	2.197 E4	14.25
2)		AR1221-A			3.395				3.395 E2	0.00
3)		AR1221-B			2.688				2.688 E2	0.00
4)		AR1221-C			8.436				8.436 E2	0.00
5)		AR1221-D			1.473				1.473 E2	0.00
6)		AR1221-E			1.016				1.016 E2	0.00
7)		AR1232-A			6.444				6.444 E2	0.00
8)		AR1232-B			6.636				6.636 E2	0.00
9)		AR1232-C			8.426				8.426 E2	0.00
10)		AR1232-D			3.967				3.967 E2	0.00
11)		AR1232-E			3.767				3.767 E2	0.00
12)		AR1242-A			9.426				9.426 E2	0.00
13)		AR1242-B			1.593				1.593 E3	0.00
14)		AR1242-C			7.391				7.391 E2	0.00
15)		AR1242-D			7.709				7.709 E2	0.00
16)		AR1242-E			7.870				7.870 E2	0.00
17)		AR1248-A			4.866				4.866 E2	0.00
18)		AR1248-B			9.545				9.545 E2	0.00
19)		AR1248-C			5.143				5.143 E2	0.00
20)		AR1248-D			1.114				1.114 E3	0.00
21)		AR1248-E			9.448				9.448 E2	0.00
22)		AR1248-F			1.423				1.423 E3	0.00
23)		AR1248-G			1.264				1.264 E3	0.00
24)		AR1254-A			1.375				1.375 E3	0.00
25)		AR1254-B			1.086				1.086 E3	0.00
26)		AR1254-C			8.004				8.004 E2	0.00
27)		AR1254-D			1.762				1.762 E3	0.00
28)		AR1254-E			1.208				1.208 E3	0.00
29)		AR1254-F			9.136				9.136 E2	0.00
30)		AR1254-G			1.808				1.808 E3	0.00
31)		AR1262-A			1.244				1.244 E3	0.00
32)		AR1262-B			1.482				1.482 E3	0.00
33)		AR1262-C			1.464				1.464 E3	0.00
34)		AR1262-D			2.906				2.906 E3	0.00
35)		AR1262-E			1.627				1.627 E3	0.00
36)		AR1268-A			2.603				2.603 E3	0.00
37)		AR1268-B			4.152				4.152 E3	0.00
38)		AR1268-C			2.720				2.720 E3	0.00
39)		AR1268-D			1.172				1.172 E3	0.00
40)		AR1268-E			8.336				8.336 E3	0.00
41)		AR1016-A	5.091	5.181	5.297	5.177	5.232	5.571	5.258 E2	3.19
42)		AR1016-B	0.941	0.976	1.037	1.088	1.139	1.238	1.070 E3	10.24
43)		AR1016-C	1.768	1.782	1.786	1.731	1.665	1.676	1.735 E3	3.08
44)		AR1016-D	7.970	8.137	8.408	8.368	8.473	9.507	8.477 E2	6.35
45)		AR1016-E	8.504	8.565	8.636	8.187	8.091	9.532	8.586 E2	5.96
46)		AR1260-A	1.366	1.414	1.502	1.563	1.571	1.694	1.518 E3	7.80
47)		AR1260-B	1.764	1.794	1.832	1.813	1.723	1.751	1.779 E3	2.29
48)		AR1260-C	1.073	1.095	1.149	1.174	1.118	1.187	1.133 E3	3.99
49)		AR1260-D	2.337	2.366	2.427	2.411	2.259	2.520	2.387 E3	3.70
50)		AR1260-E	2.401	2.438	2.523	2.496	2.266	2.146	2.378 E3	6.10

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICC3846
Lab FileID: EF86384.D

```
51) S   Decachlorobiphenyl  2.413 2.476 2.595 2.626 2.677 2.671 2.576 E4   4.20
---------------------------------------------------------------------------
(#) = Out of Range

          PCB3846.M         Mon Oct 19 15:01:45 2009   GCEF
```

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICV3846
Lab FileID: EF86387.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GEF3846\EF86387.D\ECD1A.CH  Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\GEF3846\EF86387.D\ECD2B.CH
Acq On    : 16 Oct 2009   8:54 pm                    Operator: owenm
Sample    : icv3846-1000,2nd                         Inst    : GCEF
Misc      : OP40416,GEF3846,17.3,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title        : GC/ECD- PCB
Last Update  : Mon Oct 19 12:07:20 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	17.885	18.517 E3	-3.5	99	0.00	2.63- 2.79
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	454.439	476.126	-4.8	107	0.00	3.07- 3.21

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICV3846
Lab FileID: EF86387.D

42		AR1016-B	822.538	829.088		-0.8	106	0.00	3.51- 3.67
43		AR1016-C	1.451	1.578	E3	-8.8	105	0.00	4.14- 4.30
44		AR1016-D	594.311	634.138		-6.7	105	0.00	4.34- 4.48
45		AR1016-E	673.979	684.464		-1.6	106	0.00	4.89- 5.05
46		AR1260-A	1.704	1.675	E3	1.7	102	0.00	7.07- 7.23
47		AR1260-B	1.383	1.425	E3	-3.0	101	0.00	7.48- 7.67
48		AR1260-C	783.046	818.347		-4.5	105	0.00	8.00- 8.21
49		AR1260-D	2.044	2.215	E3	-8.4	107	0.00	8.46- 8.70
50		AR1260-E	1.945	2.073	E3	-6.6	104	0.00	8.92- 9.16
51	S	Decachlorobiphenyl	20.754	19.684	E3	5.2	94	0.00	10.52-10.81

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	21.975	23.138	E3	-5.3	100	0.00	2.62- 2.74
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	525.823	576.377		-9.6	109	0.00	3.19- 3.32
42		AR1016-B	1069.661	1106.173		-3.4	107	0.00	3.70- 3.84
43		AR1016-C	1.735	1.892	E3	-9.0	106	0.00	4.31- 4.45
44		AR1016-D	847.742	892.097		-5.2	106	0.00	4.50- 4.64
45		AR1016-E	858.593	907.424		-5.7	105	0.00	5.14- 5.29
46		AR1260-A	1.518	1.549	E3	-2.0	103	0.00	7.30- 7.46
47		AR1260-B	1.779	1.848	E3	-3.9	101	0.00	7.81- 8.00

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3846-ICV3846
Lab FileID: EF86387.D

48		AR1260-C	1.133	1.189 E3	-4.9	104	0.00	8.37- 8.58
49		AR1260-D	2.387	2.575 E3	-7.9	106	0.00	8.77- 8.98
50		AR1260-E	2.378	2.585 E3	-8.7	102	0.01	9.31- 9.53
51	S	Decachlorobiphenyl	25.764	25.099 E3	2.6	97	0.00	11.02-11.33

Average % D = 5.2

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF86384.D PCB3846.M Mon Oct 19 15:01:43 2009 GCEF

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3856-CC3846
Lab FileID: EF86690.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GEF3856\EF86690.D\ECD1A.CH  Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\GEF3856\EF86690.D\ECD2B.CH
Acq On    : 29 Oct 2009   6:53 am                    Operator: vinced
Sample    : cc3846-500                               Inst    : GCEF
Misc      : OP40573,GEF3856,17.3,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title        : GC/ECD- PCB
Last Update  : Sat Oct 31 10:16:30 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	17.885	17.320 E3	3.2	99	-0.02	2.63- 2.79
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	454.439	447.255	1.6	97	-0.03	3.08- 3.22

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3856-CC3846
Lab FileID: EF86690.D

42		AR1016-B	822.538	827.592		-0.6	99	-0.03	3.52- 3.68
43		AR1016-C	1.451	1.452	E3	-0.1	98	-0.04	4.15- 4.31
44		AR1016-D	594.311	612.710		-3.1	99	-0.04	4.35- 4.49
45		AR1016-E	673.979	675.664		-0.3	99	-0.03	4.89- 5.05
46		AR1260-A	1.704	1.773	E3	-4.0	104	-0.02	7.07- 7.23
47		AR1260-B	1.383	1.445	E3	-4.5	107	-0.02	7.48- 7.67
48		AR1260-C	783.046	834.445		-6.6	110	-0.02	8.00- 8.21
49		AR1260-D	2.044	2.182	E3	-6.8	113	-0.02	8.45- 8.70
50		AR1260-E	1.945	2.174	E3	-11.8	112	-0.02	8.91- 9.15
51	S	Decachlorobiphenyl	20.754	21.893	E3	-5.5	101	-0.01	10.51-10.80

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	21.975	19.548	E3	11.0	92	-0.02	2.62- 2.74
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	525.823	507.536		3.5	98	-0.03	3.20- 3.32
42		AR1016-B	1069.661	1072.679		-0.3	99	-0.03	3.70- 3.84
43		AR1016-C	1.735	1.656	E3	4.6	96	-0.03	4.32- 4.45
44		AR1016-D	847.742	837.602		1.2	100	-0.03	4.50- 4.64
45		AR1016-E	858.593	793.353		7.6	97	-0.03	5.13- 5.29
46		AR1260-A	1.518	1.511	E3	0.5	97	-0.02	7.30- 7.45
47		AR1260-B	1.779	1.791	E3	-0.7	99	-0.02	7.80- 7.99

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3856-CC3846
Lab FileID: EF86690.D

48		AR1260-C	1.133	1.125 E3	0.7	96	-0.01	8.37- 8.57
49		AR1260-D	2.387	2.355 E3	1.3	98	-0.01	8.76- 8.97
50		AR1260-E	2.378	2.421 E3	-1.8	97	0.00	9.29- 9.52
51	S	Decachlorobiphenyl	25.764	27.135 E3	-5.3	103	0.00	11.00-11.31

Average % D = 3.6

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF86383.D PCB3846.M Mon Nov 02 15:49:18 2009 GCEF

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86700.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GEF3857\EF86700.D\ECD1A.CH  Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\GEF3857\EF86700.D\ECD2B.CH
Acq On    : 29 Oct 2009   4:16 pm                    Operator: vinced
Sample    : cc3846-1000                              Inst    : GCEF
Misc      : OP40666,GEF3857,15.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title        : GC/ECD- PCB
Last Update  : Wed Oct 21 11:31:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	17.885	18.373 E3	-2.7	98	0.04	2.65- 2.81
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	454.439	432.755	4.8	97	0.03	3.10- 3.24

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86700.D

42		AR1016-B	822.538	766.422		6.8	98	0.03	3.54- 3.70
43		AR1016-C	1.451	1.453	E3	-0.1	97	0.03	4.17- 4.33
44		AR1016-D	594.311	590.693		0.6	98	0.03	4.37- 4.50
45		AR1016-E	673.979	641.339		4.8	100	0.03	4.92- 5.07
46		AR1260-A	1.704	1.641	E3	3.7	100	0.02	7.09- 7.25
47		AR1260-B	1.383	1.421	E3	-2.7	100	0.02	7.50- 7.68
48		AR1260-C	783.046	792.350		-1.2	102	0.02	8.01- 8.22
49		AR1260-D	2.044	2.007	E3	1.8	97	0.02	8.46- 8.71
50		AR1260-E	1.945	1.980	E3	-1.8	99	0.04	8.92- 9.16
51	S	Decachlorobiphenyl	20.754	21.403	E3	-3.1	102	0.01	10.52-10.80

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	21.975	23.347	E3	-6.2	101	0.03	2.63- 2.76
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	525.823	520.713		1.0	98	0.02	3.21- 3.33
42		AR1016-B	1069.661	999.420		6.6	96	0.02	3.71- 3.85
43		AR1016-C	1.735	1.697	E3	2.2	95	0.02	4.33- 4.47
44		AR1016-D	847.742	831.630		1.9	99	0.02	4.51- 4.65
45		AR1016-E	858.593	832.516		3.0	96	0.01	5.15- 5.31
46		AR1260-A	1.518	1.450	E3	4.5	97	0.00	7.31- 7.46
47		AR1260-B	1.779	1.792	E3	-0.7	98	0.00	7.81- 8.00

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86700.D

48		AR1260-C	1.133	1.131 E3	0.2	98	0.00	8.37- 8.58
49		AR1260-D	2.387	2.399 E3	-0.5	99	0.00	8.76- 8.97
50		AR1260-E	2.378	2.469 E3	-3.8	98	0.00	9.30- 9.52
51	S	Decachlorobiphenyl	25.764	27.633 E3	-7.3	106	0.00	11.01-11.32

Average % D = 3.0

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF86470.D PCB3846.M Fri Oct 30 16:23:31 2009 GCEF

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86712.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GEF3857\EF86712.D\ECD1A.CH  Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\GEF3857\EF86712.D\ECD2B.CH
Acq On    : 30 Oct 2009  12:56 am                    Operator: vinced
Sample    : cc3846-500                               Inst    : GCEF
Misc      : OP40666,GEF3857,17.2,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title        : GC/ECD- PCB
Last Update  : Wed Oct 21 11:31:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	17.885	16.928 E3	5.4	97	0.03	2.65- 2.80
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	454.439	432.034	4.9	94	0.03	3.09- 3.23

Continuing Calibration Summary

Job Number: JA31420 **Sample:** GEF3857-CC3846
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** EF86712.D
Project: Hess-Port Reading, NJ

42		AR1016-B	822.538	810.304		1.5	97	0.02	3.53- 3.68
43		AR1016-C	1.451	1.386	E3	4.5	93	0.02	4.16- 4.32
44		AR1016-D	594.311	591.723		0.4	95	0.02	4.36- 4.49
45		AR1016-E	673.979	658.924		2.2	97	0.01	4.90- 5.06
46		AR1260-A	1.704	1.736	E3	-1.9	102	0.00	7.07- 7.23
47		AR1260-B	1.383	1.407	E3	-1.7	104	0.00	7.48- 7.67
48		AR1260-C	783.046	817.725		-4.4	108	0.00	8.00- 8.20
49		AR1260-D	2.044	2.158	E3	-5.6	112	0.00	8.45- 8.69
50		AR1260-E	1.945	2.138	E3	-9.9	110	0.03	8.91- 9.15
51	S	Decachlorobiphenyl	20.754	22.122	E3	-6.6	102	0.00	10.51-10.79

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	21.975	19.083	E3	13.2	90	0.03	2.63- 2.75
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	525.823	492.539		6.3	95	0.02	3.21- 3.33
42		AR1016-B	1069.661	1045.402		2.3	96	0.01	3.71- 3.85
43		AR1016-C	1.735	1.595	E3	8.1	92	0.01	4.32- 4.46
44		AR1016-D	847.742	847.590		0.0	101	0.01	4.51- 4.64
45		AR1016-E	858.593	851.964		0.8	104	0.00	5.14- 5.29
46		AR1260-A	1.518	1.460	E3	3.8	93	0.00	7.30- 7.45
47		AR1260-B	1.779	1.715	E3	3.6	95	0.00	7.80- 7.99

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86712.D

48		AR1260-C	1.133	1.096 E3	3.3	93	0.00	8.36- 8.57
49		AR1260-D	2.387	2.288 E3	4.1	95	0.00	8.76- 8.96
50		AR1260-E	2.378	2.376 E3	0.1	95	0.00	9.29- 9.52
51	S	Decachlorobiphenyl	25.764	27.940 E3	-8.4	106	0.00	11.00-11.31

Average % D = 4.3

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF86383.D PCB3846.M Fri Oct 30 16:13:09 2009 GCEF

7.7.38

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86724.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GEF3857\EF86724.D\ECD1A.CH  Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\GEF3857\EF86724.D\ECD2B.CH
Acq On    : 30 Oct 2009   6:25 am                    Operator: vinced
Sample    : cc3846-1000                              Inst    : GCEF
Misc      : OP40666,GEF3857,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PCB3846.M (Chemstation Integrator)
Title        : GC/ECD- PCB
Last Update  : Wed Oct 21 11:31:32 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	17.885	19.018 E3	-6.3	102	0.02	2.64- 2.79
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	454.439	434.168	4.5	98	0.02	3.08- 3.22

Continuing Calibration Summary

Job Number: JA31420 **Sample:** GEF3857-CC3846
Account: ENVNJSP EnviroTrac, Ltd. **Lab FileID:** EF86724.D
Project: Hess-Port Reading, NJ

42		AR1016-B	822.538	780.290		5.1	100	0.01	3.52- 3.68
43		AR1016-C	1.451	1.459	E3	-0.6	97	0.01	4.15- 4.31
44		AR1016-D	594.311	597.513		-0.5	99	0.00	4.35- 4.49
45		AR1016-E	673.979	649.775		3.6	101	0.00	4.89- 5.05
46		AR1260-A	1.704	1.659	E3	2.6	101	0.00	7.07- 7.23
47		AR1260-B	1.383	1.438	E3	-4.0	102	0.00	7.48- 7.66
48		AR1260-C	783.046	806.473		-3.0	103	0.00	8.00- 8.20
49		AR1260-D	2.044	2.129	E3	-4.2	103	0.00	8.45- 8.69
50		AR1260-E	1.945	2.158	E3	-11.0	108	0.03	8.90- 9.15
51	S	Decachlorobiphenyl	20.754	21.788	E3	-5.0	104	0.00	10.50-10.79

***** Signal #2 *****

1	S	Tetrachloro-m-xylene	21.975	23.828	E3	-8.4	103	0.02	2.62- 2.74
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	525.823	518.987		1.3	98	0.01	3.20- 3.32
42		AR1016-B	1069.661	1007.962		5.8	97	0.00	3.70- 3.84
43		AR1016-C	1.735	1.681	E3	3.1	94	0.00	4.31- 4.45
44		AR1016-D	847.742	842.261		0.6	100	0.00	4.50- 4.64
45		AR1016-E	858.593	850.529		0.9	98	0.00	5.13- 5.29
46		AR1260-A	1.518	1.442	E3	5.0	96	0.00	7.29- 7.45
47		AR1260-B	1.779	1.779	E3	0.0	97	0.00	7.80- 7.99

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GEF3857-CC3846
Lab FileID: EF86724.D

48		AR1260-C	1.133	1.132 E3	0.1	99	0.00	8.36- 8.57
49		AR1260-D	2.387	2.394 E3	-0.3	99	0.00	8.75- 8.96
50		AR1260-E	2.378	2.472 E3	-4.0	98	0.00	9.29- 9.51
51	S	Decachlorobiphenyl	25.764	27.879 E3	-8.2	107	-0.01	11.00-11.30

Average % D = 3.7

(0.0 %) 0 of 24 compounds'%D > 15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF86470.D PCB3846.M Fri Oct 30 16:21:47 2009 GCEF

7.7.39

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3611-ICC3611
Lab FileID: XX90350.D

Response Factor Report GCXX

Method : C:\HPCHEM\1\METHODS\PXX3611.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Tue Oct 20 10:16:09 2009
Response via : Initial Calibration

Calibration Files
2 =XX90347.D 5 =XX90348.D 10 =XX90349.D 25 =XX90461.D
50 =XX90351.D 100 =XX90352.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	6.746	7.028	6.654	7.026	7.322	7.452	7.038	E5	4.43
2)	A	alpha-BHC	0.817	0.913	0.910	1.041	1.130	1.154	0.994	E6	13.59
3)	MA	gamma-BHC	0.754	0.857	0.846	0.945	1.014	1.021	0.906	E6	11.62
4)	MA	Heptachlor	0.740	0.855	0.858	0.943	1.008	0.995	0.900	E6	11.32
5)	B	beta-BHC	3.911	4.181	4.029	4.141	4.280	4.257	4.133	E5	3.41
6)	B	delta-BHC	6.565	7.446	7.756	8.776	9.593	9.765	8.317	E5	15.29
7)	MB	Aldrin	7.423	8.256	8.143	9.192	9.886	9.975	8.813	E5	11.72
8)	B	Heptachlor Epoxide	7.420	8.117	7.932	8.666	9.177	9.213	8.421	E5	8.55
9)	B	gamma-Chlordane	7.172	7.901	7.808	8.657	9.169	9.212	8.320	E5	9.89
10)	B	alpha-Chlordane	6.954	7.282	7.707	8.441	8.850	8.823	8.009	E5	10.13
11)	A	Endosulfan I	0.771	0.814	0.868	0.989	1.015	0.984	0.907	E6	11.35
12)	B	4,4'-DDE	5.751	6.398	5.444	6.274	6.962	7.361	6.365	E5	11.29
13)	MA	Dieldrin	7.066	7.297	6.819	8.565	9.159	9.265	8.029	E5	13.67
14)	MA	Endrin	5.738	6.498	6.220	7.080	7.608	7.586	6.788	E5	11.22
15)	A	4,4'-DDD	5.415	5.619	5.293	6.093	6.543	6.788	5.958	E5	10.35
16)	B	Endosulfan II	5.301	5.422	6.757	7.750	8.077	8.003	6.885	E5	18.47
17)	MA	4,4'-DDT	2.087	3.393	4.129	5.324	5.728	5.856	4.420	E5	33.82
18)	B	Endrin Aldehyde	6.304	6.089	5.510	6.056	6.302	6.388	6.108	E5	5.26
19)	B	Endosulfan Sulfate	5.368	5.978	5.616	6.074	6.380	6.409	5.971	E5	6.94
20)	A	Methoxychlor	2.130	2.340	2.194	2.527	2.622	2.591	2.401	E5	8.76
21)		Mirex	4.604	5.078	6.042	6.160	6.079	5.958	5.654	E5	11.50
22)	B	Endrin Ketone	6.929	7.596	7.280	7.792	8.343	8.304	7.707	E5	7.26
23)	L8	Toxaphene{A}					2.333		2.333	E4	0.00
24)	L8	Toxaphene{B}					3.215		3.215	E4	0.00
25)	L8	Toxaphene{C}					3.883		3.883	E4	0.00
26)	L8	Toxaphene{D}					2.179		2.179	E4	0.00
27)	L8	Toxaphene{E}					2.009		2.009	E4	0.00
28)		Chlordane {A}					5.054		5.054	E4	0.00
29)		Chlordane {B}					2.976		2.976	E4	0.00
30)		Chlordane {C}					1.209		1.209	E5	0.00
31)		Chlordane {D}					2.127		2.127	E5	0.00
32)		Chlordane {E}					5.136		5.136	E3	0.00
33)	SA	Decachlorobiphenyl	8.105	8.117	7.666	7.662	7.478	7.144	7.695	E5	4.86

Signal #2

1)	SAB	Tetrachloro-m-xylen	2.104	2.176	1.975	2.033	2.064	1.933	2.047	E5	4.29
2)	A	alpha-BHC	2.616	2.850	2.752	3.024	3.204	3.204	2.942	E5	8.26
3)	MA	gamma-BHC	2.436	2.633	2.516	2.706	2.848	2.832	2.662	E5	6.26
4)	MA	Heptachlor	2.623	2.718	2.551	2.703	2.835	2.825	2.709	E5	4.11
5)	B	beta-BHC	1.326	1.341	1.227	1.197	1.197	1.190	1.246	E5	5.54
6)	B	delta-BHC	2.082	2.236	2.130	2.342	2.522		2.262	E5	7.79
7)	MB	Aldrin	2.418	2.570	2.426	2.634	2.774	2.780	2.600	E5	6.15
8)	B	Heptachlor Epoxide	2.062	1.897	2.298	2.433	2.543	2.526	2.293	E5	11.48
9)	B	gamma-Chlordane	2.428	2.474	2.307	2.435	2.543	2.524	2.452	E5	3.46
10)	B	alpha-Chlordane	2.347	2.411	2.251	2.345	2.428	2.403	2.364	E5	2.75
11)	A	Endosulfan I	2.375	2.337	2.225	2.303	2.398	2.374	2.335	E5	2.72

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3611-ICC3611
Lab FileID: XX90350.D

12)	B	4,4'-DDE	2.479	2.309	2.012	2.196	2.340	2.353	2.282	E5	7.03
13)	MA	Dieldrin	2.234	2.330	2.224	2.441	2.600	2.603	2.405	E5	7.11
14)	MA	Endrin	1.469	1.620	1.984	2.127	2.234	2.213	1.941	E5	16.65
15)	A	4,4'-DDD	2.094	1.972	1.564	1.684	1.776	1.819	1.818	E5	10.54
16)	B	Endosulfan II	2.363	2.417	2.342	2.421	2.462	2.390	2.399	E5	1.80
17)	MA	4,4'-DDT	1.108	1.414	1.384	1.542	1.665	1.604	1.453	E5	13.80
18)	B	Endrin Aldehyde	1.957	1.835	1.691	1.741	1.788	1.748	1.793	E5	5.22
19)	B	Endosulfan Sulfate	1.950	1.934	1.770	1.808	1.857	1.811	1.855	E5	3.95
20)	A	Methoxychlor	8.336	8.947	8.505	8.596	8.656	8.138	8.530	E4	3.26
21)		Mirex	2.407	2.259	1.801	1.727	1.693	1.620	1.918	E5	17.21
22)	B	Endrin Ketone	2.344	2.598	2.386	2.452	2.504	2.440	2.454	E5	3.65
23)	L8	Toxaphene{A}					4.735		4.735	E3	0.00
24)	L8	Toxaphene{B}					5.973		5.973	E3	0.00
25)	L8	Toxaphene{C}					1.144		1.144	E4	0.00
26)	L8	Toxaphene{D}					6.254		6.254	E3	0.00
27)	L8	Toxaphene{E}					5.073		5.073	E3	0.00
28)		Chlordane {A}					1.403		1.403	E4	0.00
29)		Chlordane {B}					8.221		8.221	E3	0.00
30)		Chlordane {C}					3.226		3.226	E4	0.00
31)		Chlordane {D}					5.594		5.594	E4	0.00
32)		Chlordane {E}					1.470		1.470	E3	0.00
33)	SA	Decachlorobiphenyl	2.874	2.828	2.513	2.436	2.346	2.205	2.534	E5	10.52

(#) = Out of Range

PXX3611.M Tue Oct 20 10:17:09 2009 GCXX

7.7.40

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3611-ICV3611
Lab FileID: XX90355.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3611\XX90355.D\ECD1A.CH  Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\GXX3611\XX90355.D\ECD2B.CH
Acq On    : 15 Oct 2009   2:30 pm                    Operator: jene
Sample    : icv3611-25                               Inst    : GCXX
Misc      : OP40376,GXX3611,100,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3611.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 20 10:16:09 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	703.811	712.034 E3	-1.2	101	0.00	2.10- 2.19
2	A	alpha-BHC	994.313	1064.206 E3	-7.0	102	0.00	2.63- 2.69
3	MA	gamma-BHC	906.236	968.501 E3	-6.9	102	0.00	2.94- 3.00
4	MA	Heptachlor	899.891	974.376 E3	-8.3	103	0.00	3.43- 3.49
5	B	beta-BHC	413.300	427.943 E3	-3.5	103	0.00	3.02- 3.08
6	B	delta-BHC	831.683	892.388 E3	-7.3	102	0.00	3.21- 3.27
7	MB	Aldrin	881.258	933.686 E3	-5.9	102	0.00	3.76- 3.82
8	B	Heptachlor Epoxide	842.079	882.662 E3	-4.8	102	0.00	4.44- 4.50
9	B	gamma-Chlordane	831.986	871.576 E3	-4.8	101	0.00	4.59- 4.65
10	B	alpha-Chlordane	800.935	837.598 E3	-4.6	99	0.00	4.75- 4.81
11	A	Endosulfan I	906.929	1031.824 E3	-13.8	104	0.00	4.93- 4.99
12	B	4,4'-DDE	636.527	585.427 E3	8.0	93	0.01	4.85- 4.91
13	MA	Dieldrin	802.870	888.177 E3	-10.6	104	0.00	5.23- 5.29
14	MA	Endrin	678.840	737.659 E3	-8.7	104	0.00	5.53- 5.59
15	A	4,4'-DDD	595.845	602.404 E3	-1.1	99	0.04	5.65- 5.71
16	B	Endosulfan II	688.516	780.815 E3	-13.4	101	0.00	5.83- 5.89
17	MA	4,4'-DDT	441.955	495.449 E3	-12.1	93	0.02	6.00- 6.06
18	B	Endrin Aldehyde	610.811	534.530 E3	12.5	88	0.00	6.39- 6.45
19	B	Endosulfan Sulfate	597.083	624.045 E3	-4.5	103	-0.02	6.99- 7.05
20	A	Methoxychlor	240.065	246.265 E3	-2.6	97	0.02	6.67- 6.73
21		Mirex	565.352	589.804 E3	-4.3	96	0.00	6.84- 6.90
22	B	Endrin Ketone	770.713	785.368 E3	-1.9	101	0.03	7.39- 7.45
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	769.549	751.715 E3	2.3	98	0.01	8.89- 8.95

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	204.745	206.734 E3	-1.0	102	0.00	1.82- 1.91
2	A	alpha-BHC	294.200	309.438 E3	-5.2	102	0.00	2.35- 2.41
3	MA	gamma-BHC	266.153	277.612 E3	-4.3	103	0.00	2.68- 2.74
4	MA	Heptachlor	270.908	279.566 E3	-3.2	103	0.00	3.11- 3.17
5	B	beta-BHC	124.627	124.649 E3	-0.0	104	0.00	2.76- 2.82

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3611-ICV3611
Lab FileID: XX90355.D

6	B	delta-BHC	226.232	237.500	E3	-5.0	101	0.00	3.05- 3.11
7	MB	Aldrin	260.044	267.398	E3	-2.8	102	0.00	3.45- 3.51
8	B	Heptachlor Epoxide	229.326	249.423	E3	-8.8	103	0.00	4.08- 4.14
9	B	gamma-Chlordane	245.202	250.443	E3	-2.1	103	0.00	4.30- 4.36
10	B	alpha-Chlordane	236.431	240.020	E3	-1.5	102	0.00	4.47- 4.53
11	A	Endosulfan I	233.517	237.856	E3	-1.9	103	0.00	4.54- 4.60
12	B	4,4'-DDE	228.155	223.783	E3	1.9	102	0.01	4.70- 4.76
13	MA	Dieldrin	240.539	258.859	E3	-7.6	106	0.00	4.87- 4.93
14	MA	Endrin	194.125	222.279	E3	-14.5	104	0.00	5.26- 5.32
15	A	4,4'-DDD	181.824	164.217	E3	9.7	98	0.03	5.46- 5.52
16	B	Endosulfan II	239.915	253.791	E3	-5.8	105	0.03	5.54- 5.60
17	MA	4,4'-DDT	145.273	149.064	E3	-2.6	97	0.02	5.86- 5.92
18	B	Endrin Aldehyde	179.330	156.874	E3	12.5	90	0.02	5.99- 6.05
19	B	Endosulfan Sulfate	185.480	185.734	E3	-0.1	103	0.00	6.37- 6.43
20	A	Methoxychlor	85.299	85.750	E3	-0.5	100	0.02	6.84- 6.90
21		Mirex	191.776	165.985	E3	13.4	96	0.00	7.04- 7.10
22	B	Endrin Ketone	245.378	239.848	E3	2.3	98	0.00	7.10- 7.16
23	L8	Toxaphene{A}	----------NA----------						
24	L8	Toxaphene{B}	----------NA----------						
25	L8	Toxaphene{C}	----------NA----------						
26	L8	Toxaphene{D}	----------NA----------						
27	L8	Toxaphene{E}	----------NA----------						
28		Chlordane {A}	----------NA----------						
29		Chlordane {B}	----------NA----------						
30		Chlordane {C}	----------NA----------						
31		Chlordane {D}	----------NA----------						
32		Chlordane {E}	----------NA----------						
33	SA	Decachlorobiphenyl	253.359	242.198	E3	4.4	99	0.01	8.97- 9.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90461.D PXX3611.M Tue Oct 20 10:18:50 2009 GCXX

7.7.41

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3618-CC3611
Lab FileID: XX90560.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3618\XX90560.D\ECD1A.CH  Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GXX3618\XX90560.D\ECD2B.CH
Acq On    : 22 Oct 2009   3:39 pm                    Operator: jene
Sample    : cc3611-10                                Inst    : GCXX
Misc      : OP40449,GXX3618,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3611.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 20 10:16:09 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	703.811	733.306 E3	-4.2	110	-0.01	2.09- 2.19
2	A	alpha-BHC	994.313	1046.426 E3	-5.2	115	-0.01	2.62- 2.68
3	MA	gamma-BHC	906.236	934.598 E3	-3.1	110	-0.02	2.92- 2.98
4	MA	Heptachlor	899.891	922.191 E3	-2.5	107	-0.02	3.41- 3.47
5	B	beta-BHC	413.300	401.145 E3	2.9	100	0.00	3.01- 3.07
6	B	delta-BHC	831.683	770.320 E3	7.4	99	-0.01	3.20- 3.26
7	MB	Aldrin	881.258	925.985 E3	-5.1	114	-0.02	3.74- 3.80
8	B	Heptachlor Epoxide	842.079	907.173 E3	-7.7	114	-0.02	4.42- 4.48
9	B	gamma-Chlordane	831.986	888.677 E3	-6.8	114	-0.02	4.57- 4.63
10	B	alpha-Chlordane	800.935	829.253 E3	-3.5	108	-0.02	4.73- 4.79
11	A	Endosulfan I	906.929	1025.997 E3	-13.1	118	-0.02	4.91- 4.97
12	B	4,4'-DDE	636.527	596.244 E3	6.3	110	-0.01	4.83- 4.89
13	MA	Dieldrin	802.870	886.643 E3	-10.4	130	-0.02	5.20- 5.26
14	MA	Endrin	678.840	753.837 E3	-11.0	121	-0.02	5.51- 5.57
15	A	4,4'-DDD	595.845	646.069 E3	-8.4	122	0.02	5.62- 5.68
16	B	Endosulfan II	688.516	786.075 E3	-14.2	116	-0.02	5.80- 5.86
17	MA	4,4'-DDT	441.955	365.486 E3	17.3#	89	0.00	5.97- 6.03
18	B	Endrin Aldehyde	610.811	557.208 E3	8.8	101	-0.02	6.36- 6.42
19	B	Endosulfan Sulfate	597.083	585.434 E3	2.0	104	-0.05	6.97- 7.03
20	A	Methoxychlor	240.065	190.406 E3	20.7#	87	-0.01	6.64- 6.70
21		Mirex	565.352	598.808 E3	-5.9	99	-0.03	6.82- 6.88
22	B	Endrin Ketone	770.713	784.994 E3	-1.9	108	0.00	7.37- 7.43
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	769.549	835.658 E3	-8.6	109	-0.01	8.86- 8.92

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	204.745	221.510 E3	-8.2	112	0.00	1.81- 1.90
2	A	alpha-BHC	294.200	294.267 E3	-0.0	107	0.00	2.34- 2.40
3	MA	gamma-BHC	266.153	268.189 E3	-0.8	107	0.00	2.67- 2.73
4	MA	Heptachlor	270.908	281.163 E3	-3.8	110	-0.01	3.10- 3.16
5	B	beta-BHC	124.627	128.222 E3	-2.9	105	0.00	2.75- 2.81

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3618-CC3611
Lab FileID: XX90560.D

6	B	delta-BHC	226.232	215.152	E3	4.9	101	0.00	3.04- 3.10
7	MB	Aldrin	260.044	265.532	E3	-2.1	109	-0.01	3.44- 3.50
8	B	Heptachlor Epoxide	229.326	251.034	E3	-9.5	109	-0.01	4.06- 4.12
9	B	gamma-Chlordane	245.202	251.736	E3	-2.7	109	-0.01	4.28- 4.34
10	B	alpha-Chlordane	236.431	242.952	E3	-2.8	108	-0.02	4.45- 4.51
11	A	Endosulfan I	233.517	235.105	E3	-0.7	106	-0.02	4.52- 4.58
12	B	4,4'-DDE	228.155	218.957	E3	4.0	109	0.00	4.68- 4.74
13	MA	Dieldrin	240.539	252.530	E3	-5.0	114	-0.02	4.86- 4.92
14	MA	Endrin	194.125	223.905	E3	-15.3#	113	-0.02	5.24- 5.30
15	A	4,4'-DDD	181.824	173.557	E3	4.5	111	0.00	5.43- 5.49
16	B	Endosulfan II	239.915	257.732	E3	-7.4	110	0.00	5.52- 5.58
17	MA	4,4'-DDT	145.273	128.021	E3	11.9	93	0.00	5.83- 5.89
18	B	Endrin Aldehyde	179.330	164.599	E3	8.2	97	0.00	5.96- 6.02
19	B	Endosulfan Sulfate	185.480	183.784	E3	0.9	104	-0.02	6.35- 6.41
20	A	Methoxychlor	85.299	76.728	E3	10.0	90	0.00	6.81- 6.87
21		Mirex	191.776	196.015	E3	-2.2	109	-0.03	7.01- 7.07
22	B	Endrin Ketone	245.378	247.548	E3	-0.9	104	-0.02	7.08- 7.14
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	253.359	263.588	E3	-4.0	105	-0.01	8.95- 9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90349.D PXX3611.M Fri Oct 23 11:05:09 2009 GCXX

7.7.42

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3618-ECC3611
Lab FileID: XX90571.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3618\XX90571.D\ECD1A.CH  Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\GXX3618\XX90571.D\ECD2B.CH
Acq On    : 22 Oct 2009   8:26 pm                    Operator: jene
Sample    : ecc3611-25                               Inst    : GCXX
Misc      : OP40494,GXX3618,1000,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3611.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Tue Oct 20 10:16:09 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	703.811	803.469 E3	-14.2	114	-0.01	2.09- 2.19
2	A	alpha-BHC	994.313	1158.565 E3	-16.5#	111	-0.01	2.62- 2.68
3	MA	gamma-BHC	906.236	1033.315 E3	-14.0	109	-0.01	2.93- 2.99
4	MA	Heptachlor	899.891	1010.386 E3	-12.3	107	-0.01	3.41- 3.47
5	B	beta-BHC	413.300	452.269 E3	-9.4	109	0.00	3.01- 3.07
6	B	delta-BHC	831.683	889.061 E3	-6.9	101	-0.01	3.20- 3.26
7	MB	Aldrin	881.258	1029.534 E3	-16.8#	112	-0.01	3.74- 3.80
8	B	Heptachlor Epoxide	842.079	978.183 E3	-16.2#	113	-0.02	4.43- 4.49
9	B	gamma-Chlordane	831.986	979.405 E3	-17.7#	113	-0.02	4.58- 4.64
10	B	alpha-Chlordane	800.935	894.135 E3	-11.6	106	-0.01	4.74- 4.80
11	A	Endosulfan I	906.929	1210.354 E3	-33.5#	122	-0.02	4.91- 4.97
12	B	4,4'-DDE	636.527	597.418 E3	6.1	95	0.00	4.84- 4.90
13	MA	Dieldrin	802.870	964.589 E3	-20.1#	113	-0.02	5.21- 5.27
14	MA	Endrin	678.840	809.746 E3	-19.3#	114	-0.02	5.51- 5.57
15	A	4,4'-DDD	595.845	645.640 E3	-8.4	106	0.03	5.63- 5.69
16	B	Endosulfan II	688.516	858.330 E3	-24.7#	111	-0.01	5.81- 5.87
17	MA	4,4'-DDT	441.955	438.021 E3	0.9	82	0.00	5.98- 6.04
18	B	Endrin Aldehyde	610.811	647.940 E3	-6.1	107	0.00	6.37- 6.43
19	B	Endosulfan Sulfate	597.083	597.961 E3	-0.1	98	-0.04	6.98- 7.04
20	A	Methoxychlor	240.065	182.836 E3	23.8#	72	0.00	6.66- 6.72
21		Mirex	565.352	598.285 E3	-5.8	97	-0.03	6.83- 6.89
22	B	Endrin Ketone	770.713	831.191 E3	-7.8	107	0.00	7.38- 7.44
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	769.549	824.359 E3	-7.1	108	0.00	8.87- 8.93

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	204.745	219.699 E3	-7.3	108	-0.01	1.81- 1.90
2	A	alpha-BHC	294.200	317.357 E3	-7.9	105	-0.01	2.34- 2.40
3	MA	gamma-BHC	266.153	284.828 E3	-7.0	105	-0.01	2.67- 2.73
4	MA	Heptachlor	270.908	292.990 E3	-8.2	108	-0.01	3.10- 3.16
5	B	beta-BHC	124.627	126.513 E3	-1.5	106	-0.01	2.75- 2.81

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3618-ECC3611
Lab FileID: XX90571.D

6	B	delta-BHC	226.232	221.519	E3	2.1	95	-0.01	3.03- 3.09
7	MB	Aldrin	260.044	280.700	E3	-7.9	107	-0.01	3.44- 3.50
8	B	Heptachlor Epoxide	229.326	257.884	E3	-12.5	106	-0.02	4.06- 4.12
9	B	gamma-Chlordane	245.202	259.458	E3	-5.8	107	-0.02	4.28- 4.34
10	B	alpha-Chlordane	236.431	247.062	E3	-4.5	105	-0.02	4.45- 4.51
11	A	Endosulfan I	233.517	244.637	E3	-4.8	106	-0.02	4.52- 4.58
12	B	4,4'-DDE	228.155	232.684	E3	-2.0	106	0.00	4.68- 4.74
13	MA	Dieldrin	240.539	262.317	E3	-9.1	107	-0.02	4.86- 4.92
14	MA	Endrin	194.125	228.778	E3	-17.9#	108	-0.02	5.24- 5.30
15	A	4,4'-DDD	181.824	162.019	E3	10.9	96	0.01	5.44- 5.50
16	B	Endosulfan II	239.915	272.939	E3	-13.8	113	0.01	5.52- 5.58
17	MA	4,4'-DDT	145.273	141.994	E3	2.3	92	0.00	5.84- 5.90
18	B	Endrin Aldehyde	179.330	182.339	E3	-1.7	105	0.00	5.97- 6.03
19	B	Endosulfan Sulfate	185.480	176.715	E3	4.7	98	-0.02	6.35- 6.41
20	A	Methoxychlor	85.299	72.969	E3	14.5	85	0.00	6.82- 6.88
21		Mirex	191.776	180.435	E3	5.9	104	-0.03	7.02- 7.08
22	B	Endrin Ketone	245.378	240.600	E3	1.9	98	-0.01	7.08- 7.14
23	L8	Toxaphene{A}	----------NA----------						
24	L8	Toxaphene{B}	----------NA----------						
25	L8	Toxaphene{C}	----------NA----------						
26	L8	Toxaphene{D}	----------NA----------						
27	L8	Toxaphene{E}	----------NA----------						
28		Chlordane {A}	----------NA----------						
29		Chlordane {B}	----------NA----------						
30		Chlordane {C}	----------NA----------						
31		Chlordane {D}	----------NA----------						
32		Chlordane {E}	----------NA----------						
33	SA	Decachlorobiphenyl	253.359	248.394	E3	2.0	102	0.00	8.95- 9.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90461.D PXX3611.M Fri Oct 23 11:16:09 2009 GCXX

7.7.43

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3622-ICC3622
Lab FileID: XX90694.D

Response Factor Report GCXX

Method : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Thu Oct 29 15:08:13 2009
Response via : Initial Calibration

Calibration Files
2 =XX90691.D 5 =XX90692.D 10 =XX90693.D 25 =XX90694.D
50 =XX90695.D 100 =XX90696.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	5.962	6.344	6.478	7.005	7.611	7.390	6.798	E5	9.44
2)	A	alpha-BHC	0.729	0.820	0.884	1.013	1.123	1.104	0.946	E6	16.91
3)	MA	gamma-BHC	0.699	0.769	0.818	0.920	1.008	0.981	0.866	E6	14.24
4)	MA	Heptachlor	6.782	7.527	7.956	8.921	9.865	9.666	8.453	E5	14.57
5)	B	beta-BHC	3.862	4.050	3.758	4.101	4.322	4.097	4.032	E5	4.92
6)	B	delta-BHC	6.423	6.958	6.920	8.094	9.192	8.859	7.741	E5	14.74
7)	MB	Aldrin	6.680	7.487	8.007	9.044	9.904	9.572	8.449	E5	14.95
8)	B	Heptachlor Epoxide	6.836	7.439	7.881	8.637	9.367	8.992	8.192	E5	11.86
9)	B	gamma-Chlordane	6.842	7.199	7.905	8.626	9.354	8.993	8.153	E5	12.34
10)	B	alpha-Chlordane	6.781	6.554	7.592	7.720	8.429	8.447	7.587	E5	10.52
11)	A	Endosulfan I	0.742	0.810	0.921	0.959	1.024	0.990	0.908	E6	12.11
12)	B	4,4'-DDE	5.317	5.711	5.699	6.765	7.450	7.053	6.333	E5	13.71
13)	MA	Dieldrin	6.925	7.275	7.773	8.633	9.500	9.162	8.211	E5	12.73
14)	MA	Endrin	5.686	6.293	6.803	7.591	8.264	7.980	7.103	E5	14.23
15)	A	4,4'-DDD	4.404	5.196	5.025	5.662	6.263	6.037	5.431	E5	12.72
16)	B	Endosulfan II	5.936	6.706	7.034	7.466	8.230	7.961	7.222	E5	11.72
17)	MA	4,4'-DDT	3.149	4.375	4.367	5.160	5.546	5.633	4.705	E5	19.98
18)	B	Endrin Aldehyde	5.613	6.033	5.523	5.838	6.442	6.138	5.931	E5	5.79
19)	B	Endosulfan Sulfate	4.878	5.002	5.177	5.509	6.084	5.874	5.421	E5	8.97
20)	A	Methoxychlor	2.126	2.457	2.248	2.338	2.461	2.357	2.331	E5	5.51
21)		Mirex	5.340	5.909	6.045	6.101	6.222	5.840	5.910	E5	5.25
22)	B	Endrin Ketone	6.179	6.699	6.829	7.343	8.202	7.688	7.156	E5	10.23
23)	L8	Toxaphene{A}					2.657		2.657	E4	0.00
24)	L8	Toxaphene{B}					3.442		3.442	E4	0.00
25)	L8	Toxaphene{C}					3.802		3.802	E4	0.00
26)	L8	Toxaphene{D}					2.436		2.436	E4	0.00
27)	L8	Toxaphene{E}					2.234		2.234	E4	0.00
28)		Chlordane {A}					5.182		5.182	E4	0.00
29)		Chlordane {B}					3.066		3.066	E4	0.00
30)		Chlordane {C}					1.265		1.265	E5	0.00
31)		Chlordane {D}					2.182		2.182	E5	0.00
32)		Chlordane {E}					5.123		5.123	E3	0.00
33)	SA	Decachlorobiphenyl	6.610	7.275	7.260	7.334	7.639	7.086	7.201	E5	4.73

Signal #2

1)	SAB	Tetrachloro-m-xylen	1.976	2.008	2.011	2.058	2.142	1.963	2.026	E5	3.23
2)	A	alpha-BHC	2.396	2.609	2.779	3.060	3.305	3.124	2.879	E5	11.95
3)	MA	gamma-BHC	2.293	2.416	2.546	2.748	2.957	2.783	2.624	E5	9.50
4)	MA	Heptachlor	2.489	2.595	2.754	2.859	3.123	2.965	2.797	E5	8.40
5)	B	beta-BHC	1.226	1.232	1.255	1.231	1.288	1.159	1.232	E5	3.45
6)	B	delta-BHC	1.872	1.951	2.042	2.240	2.523	2.373	2.167	E5	11.74
7)	MB	Aldrin	2.236	2.372	2.490	2.689	2.895	2.745	2.571	E5	9.64
8)	B	Heptachlor Epoxide	2.268	2.175	2.359	2.440	2.637	2.506	2.397	E5	6.95
9)	B	gamma-Chlordane	2.259	2.320	2.368	2.504	2.662	2.505	2.436	E5	6.08
10)	B	alpha-Chlordane	2.229	2.268	2.296	2.398	2.536	2.372	2.350	E5	4.72
11)	A	Endosulfan I	2.155	2.184	2.294	2.394	2.518	2.359	2.317	E5	5.88

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3622-ICC3622
Lab FileID: XX90694.D

12)	B	4,4'-DDE	2.002	2.029	2.151	2.291	2.437	2.275	2.197	E5	7.64
13)	MA	Dieldrin	2.151	2.266	2.385	2.536	2.742	2.592	2.445	E5	8.96
14)	MA	Endrin	1.953	1.921	2.114	2.237	2.421	2.311	2.160	E5	9.24
15)	A	4,4'-DDD	1.470	1.522	1.480	1.639	1.763	1.608	1.581	E5	7.10
16)	B	Endosulfan II	2.320	2.337	2.404	2.498	2.631	2.458	2.441	E5	4.72
17)	MA	4,4'-DDT	1.082	1.238	1.381	1.584	1.757	1.733	1.462	E5	18.77
18)	B	Endrin Aldehyde	1.734	1.759	1.720	1.745	1.870	1.729	1.759	E5	3.16
19)	B	Endosulfan Sulfate	1.779	1.741	1.687	1.720	1.862	1.729	1.753	E5	3.48
20)	A	Methoxychlor	7.962	8.203	8.446	8.759	9.145	8.502	8.503	E4	4.89
21)		Mirex	1.897	1.867	1.803	1.744	1.774	1.619	1.784	E5	5.55
22)	B	Endrin Ketone	2.255	2.281	2.271	2.312	2.460	2.268	2.308	E5	3.33
23)	L8	Toxaphene{A}					5.199		5.199	E3	0.00
24)	L8	Toxaphene{B}					6.784		6.784	E3	0.00
25)	L8	Toxaphene{C}					1.274		1.274	E4	0.00
26)	L8	Toxaphene{D}					6.945		6.945	E3	0.00
27)	L8	Toxaphene{E}					5.803		5.803	E3	0.00
28)		Chlordane {A}					1.536		1.536	E4	0.00
29)		Chlordane {B}					9.002		9.002	E3	0.00
30)		Chlordane {C}					3.441		3.441	E4	0.00
31)		Chlordane {D}					5.998		5.998	E4	0.00
32)		Chlordane {E}					1.517		1.517	E3	0.00
33)	SA	Decachlorobiphenyl	2.543	2.560	2.489	2.434	2.480	2.243	2.458	E5	4.67

(#) = Out of Range

PXX3622.M Thu Oct 29 15:26:28 2009 GCXX

7.7.44

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3622-ICV3622
Lab FileID: XX90699.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3622\XX90699.D\ECD1A.CH  Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\GXX3622\XX90699.D\ECD2B.CH
Acq On    : 29 Oct 2009   3:07 pm                    Operator: jene
Sample    : icv3622-25                               Inst    : GCXX
Misc      : OP40551,GXX3622,100,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	706.556 E3	-3.9	101	0.00	2.03- 2.12
2	A	alpha-BHC	945.547	1016.007 E3	-7.5	100	0.00	2.55- 2.61
3	MA	gamma-BHC	865.946	926.255 E3	-7.0	101	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	908.057 E3	-7.4	102	0.00	3.33- 3.39
5	B	beta-BHC	403.178	419.078 E3	-3.9	102	0.00	2.94- 3.00
6	B	delta-BHC	774.096	798.118 E3	-3.1	99	0.00	3.12- 3.18
7	MB	Aldrin	844.907	902.033 E3	-6.8	100	0.00	3.66- 3.72
8	B	Heptachlor Epoxide	819.203	878.293 E3	-7.2	102	0.00	4.34- 4.40
9	B	gamma-Chlordane	815.333	881.713 E3	-8.1	102	0.01	4.49- 4.55
10	B	alpha-Chlordane	758.727	772.283 E3	-1.8	100	0.01	4.65- 4.71
11	A	Endosulfan I	907.624	995.599 E3	-9.7	104	0.01	4.82- 4.88
12	B	4,4'-DDE	633.259	682.800 E3	-7.8	101	0.01	4.75- 4.81
13	MA	Dieldrin	821.126	878.722 E3	-7.0	102	0.01	5.12- 5.18
14	MA	Endrin	710.288	740.007 E3	-4.2	97	0.01	5.42- 5.48
15	A	4,4'-DDD	543.133	572.338 E3	-5.4	101	0.01	5.53- 5.59
16	B	Endosulfan II	722.201	751.127 E3	-4.0	101	0.01	5.71- 5.77
17	MA	4,4'-DDT	470.494	523.293 E3	-11.2	101	0.01	5.88- 5.94
18	B	Endrin Aldehyde	593.130	553.376 E3	6.7	95	0.01	6.27- 6.33
19	B	Endosulfan Sulfate	542.070	551.706 E3	-1.8	100	0.01	6.87- 6.93
20	A	Methoxychlor	233.104	238.667 E3	-2.4	102	0.01	6.56- 6.62
21		Mirex	590.954	577.625 E3	2.3	95	0.01	6.72- 6.78
22	B	Endrin Ketone	715.649	710.045 E3	0.8	97	0.01	7.27- 7.33
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	727.077 E3	-1.0	99	0.01	8.77- 8.83

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	199.940 E3	1.3	97	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	299.171 E3	-3.9	98	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	270.020 E3	-2.9	98	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	286.187 E3	-2.3	100	0.00	3.02- 3.08
5	B	beta-BHC	123.173	121.939 E3	1.0	99	0.00	2.67- 2.73

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3622-ICV3622
Lab FileID: XX90699.D

6	B	delta-BHC	216.693	217.091	E3	-0.2	97	0.00	2.95- 3.01
7	MB	Aldrin	257.120	263.214	E3	-2.4	98	0.00	3.35- 3.41
8	B	Heptachlor Epoxide	239.739	239.925	E3	-0.1	98	0.00	3.97- 4.03
9	B	gamma-Chlordane	243.633	249.441	E3	-2.4	100	0.00	4.19- 4.25
10	B	alpha-Chlordane	234.994	238.680	E3	-1.6	100	0.00	4.36- 4.42
11	A	Endosulfan I	231.729	239.624	E3	-3.4	100	0.00	4.42- 4.48
12	B	4,4'-DDE	219.738	226.266	E3	-3.0	99	0.00	4.58- 4.64
13	MA	Dieldrin	244.523	257.361	E3	-5.3	101	0.00	4.75- 4.81
14	MA	Endrin	215.974	219.013	E3	-1.4	98	0.00	5.13- 5.19
15	A	4,4'-DDD	158.058	156.820	E3	0.8	96	0.00	5.33- 5.39
16	B	Endosulfan II	244.138	244.361	E3	-0.1	98	0.00	5.41- 5.47
17	MA	4,4'-DDT	146.247	147.137	E3	-0.6	93	0.00	5.73- 5.79
18	B	Endrin Aldehyde	175.947	150.798	E3	14.3	86	0.00	5.86- 5.92
19	B	Endosulfan Sulfate	175.321	165.012	E3	5.9	96	0.00	6.24- 6.30
20	A	Methoxychlor	85.029	84.173	E3	1.0	96	0.00	6.71- 6.77
21		Mirex	178.381	162.915	E3	8.7	93	0.00	6.90- 6.96
22	B	Endrin Ketone	230.775	215.574	E3	6.6	93	0.00	6.97- 7.03
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	245.806	238.065	E3	3.1	98	0.00	8.84- 8.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90694.D PXX3622.M Thu Oct 29 15:26:29 2009 GCXX

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90721.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3624\XX90721.D\ECD1A.CH  Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GXX3624\XX90721.D\ECD2B.CH
Acq On    : 30 Oct 2009   9:19 am                    Operator: jene
Sample    : cc3622-25                                Inst    : GCXX
Misc      : OP40551,GXX3624,1000,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	638.935 E3	6.0	91	0.01	2.04- 2.13
2	A	alpha-BHC	945.547	985.812 E3	-4.3	97	0.00	2.55- 2.61
3	MA	gamma-BHC	865.946	898.898 E3	-3.8	98	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	860.815 E3	-1.8	96	0.00	3.33- 3.39
5	B	beta-BHC	403.178	406.084 E3	-0.7	99	0.00	2.94- 3.00
6	B	delta-BHC	774.096	785.248 E3	-1.4	97	0.00	3.12- 3.18
7	MB	Aldrin	844.907	889.309 E3	-5.3	98	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	833.222 E3	-1.7	96	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	822.915 E3	-0.9	95	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	799.266 E3	-5.3	104	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	882.507 E3	2.8	92	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	719.723 E3	-13.7	106	0.00	4.74- 4.80
13	MA	Dieldrin	821.126	847.123 E3	-3.2	98	0.00	5.11- 5.17
14	MA	Endrin	710.288	744.955 E3	-4.9	98	0.00	5.40- 5.46
15	A	4,4'-DDD	543.133	574.737 E3	-5.8	102	0.00	5.51- 5.57
16	B	Endosulfan II	722.201	718.061 E3	0.6	96	0.00	5.70- 5.76
17	MA	4,4'-DDT	470.494	486.503 E3	-3.4	94	0.00	5.87- 5.93
18	B	Endrin Aldehyde	593.130	571.914 E3	3.6	98	0.00	6.26- 6.32
19	B	Endosulfan Sulfate	542.070	578.602 E3	-6.7	105	0.00	6.86- 6.92
20	A	Methoxychlor	233.104	233.204 E3	-0.0	100	-0.01	6.54- 6.60
21		Mirex	590.954	590.388 E3	0.1	97	0.00	6.71- 6.77
22	B	Endrin Ketone	715.649	736.118 E3	-2.9	100	0.00	7.26- 7.32
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	726.556 E3	-0.9	99	0.00	8.75- 8.81

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	201.732 E3	0.4	98	0.01	1.75- 1.85
2	A	alpha-BHC	287.880	304.236 E3	-5.7	99	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	273.954 E3	-4.4	100	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	284.437 E3	-1.7	99	0.00	3.02- 3.08
5	B	beta-BHC	123.173	121.625 E3	1.3	99	0.00	2.67- 2.73

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90721.D

6	B	delta-BHC	216.693	219.019	E3	-1.1	98	0.00	2.96- 3.02
7	MB	Aldrin	257.120	269.428	E3	-4.8	100	0.00	3.35- 3.41
8	B	Heptachlor Epoxide	239.739	230.440	E3	3.9	94	0.00	3.97- 4.03
9	B	gamma-Chlordane	243.633	253.010	E3	-3.8	101	0.00	4.19- 4.25
10	B	alpha-Chlordane	234.994	243.689	E3	-3.7	102	0.00	4.36- 4.42
11	A	Endosulfan I	231.729	240.282	E3	-3.7	100	0.00	4.42- 4.48
12	B	4,4'-DDE	219.738	233.358	E3	-6.2	102	0.00	4.58- 4.64
13	MA	Dieldrin	244.523	256.297	E3	-4.8	101	0.00	4.75- 4.81
14	MA	Endrin	215.974	215.004	E3	0.4	96	0.00	5.13- 5.19
15	A	4,4'-DDD	158.058	179.458	E3	-13.5	109	0.00	5.32- 5.38
16	B	Endosulfan II	244.138	247.266	E3	-1.3	99	0.00	5.41- 5.47
17	MA	4,4'-DDT	146.247	162.324	E3	-11.0	102	0.00	5.73- 5.79
18	B	Endrin Aldehyde	175.947	175.189	E3	0.4	100	0.00	5.85- 5.91
19	B	Endosulfan Sulfate	175.321	181.086	E3	-3.3	105	0.00	6.23- 6.29
20	A	Methoxychlor	85.029	92.652	E3	-9.0	106	0.00	6.70- 6.76
21		Mirex	178.381	179.607	E3	-0.7	103	0.00	6.90- 6.96
22	B	Endrin Ketone	230.775	239.295	E3	-3.7	103	0.00	6.96- 7.02
23	L8	Toxaphene{A}	----------NA----------						
24	L8	Toxaphene{B}	----------NA----------						
25	L8	Toxaphene{C}	----------NA----------						
26	L8	Toxaphene{D}	----------NA----------						
27	L8	Toxaphene{E}	----------NA----------						
28		Chlordane {A}	----------NA----------						
29		Chlordane {B}	----------NA----------						
30		Chlordane {C}	----------NA----------						
31		Chlordane {D}	----------NA----------						
32		Chlordane {E}	----------NA----------						
33	SA	Decachlorobiphenyl	245.806	244.324	E3	0.6	100	0.00	8.83- 8.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90694.D PXX3622.M Fri Oct 30 10:23:07 2009 GCXX

7.7.46

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90732.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3624\XX90732.D\ECD1A.CH  Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GXX3624\XX90732.D\ECD2B.CH
Acq On    : 30 Oct 2009   2:01 pm                    Operator: jene
Sample    : cc3622-10                                Inst    : GCXX
Misc      : OP40665,GXX3624,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	646.304 E3	4.9	100	0.00	2.02- 2.12
2	A	alpha-BHC	945.547	915.658 E3	3.2	104	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	855.079 E3	1.3	104	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	824.758 E3	2.4	104	0.00	3.33- 3.39
5	B	beta-BHC	403.178	388.676 E3	3.6	103	0.00	2.93- 2.99
6	B	delta-BHC	774.096	746.127 E3	3.6	108	0.00	3.11- 3.17
7	MB	Aldrin	844.907	826.500 E3	2.2	103	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	800.710 E3	2.3	102	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	792.631 E3	2.8	100	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	738.403 E3	2.7	97	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	789.630 E3	13.0	86	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	711.126 E3	-12.3	125	-0.01	4.72- 4.78
13	MA	Dieldrin	821.126	790.685 E3	3.7	102	0.00	5.10- 5.16
14	MA	Endrin	710.288	696.725 E3	1.9	102	0.00	5.40- 5.46
15	A	4,4'-DDD	543.133	575.919 E3	-6.0	115	-0.03	5.49- 5.55
16	B	Endosulfan II	722.201	648.954 E3	10.1	92	0.00	5.69- 5.75
17	MA	4,4'-DDT	470.494	418.843 E3	11.0	96	-0.02	5.85- 5.91
18	B	Endrin Aldehyde	593.130	577.028 E3	2.7	104	0.00	6.25- 6.31
19	B	Endosulfan Sulfate	542.070	564.370 E3	-4.1	109	0.00	6.85- 6.91
20	A	Methoxychlor	233.104	227.329 E3	2.5	101	-0.02	6.53- 6.59
21		Mirex	590.954	585.060 E3	1.0	97	0.00	6.71- 6.77
22	B	Endrin Ketone	715.649	720.494 E3	-0.7	106	0.00	7.25- 7.31
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	746.053 E3	-3.6	103	-0.01	8.74- 8.80

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	211.951 E3	-4.6	105	0.00	1.75- 1.84
2	A	alpha-BHC	287.880	299.990 E3	-4.2	108	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	274.584 E3	-4.6	108	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	285.938 E3	-2.2	104	0.00	3.02- 3.08
5	B	beta-BHC	123.173	128.151 E3	-4.0	102	0.00	2.67- 2.73

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90732.D

6	B	delta-BHC	216.693	235.518	E3	-8.7	115	0.00	2.95-	3.01
7	MB	Aldrin	257.120	267.735	E3	-4.1	108	0.00	3.35-	3.41
8	B	Heptachlor Epoxide	239.739	220.377	E3	8.1	93	0.00	3.97-	4.03
9	B	gamma-Chlordane	243.633	255.836	E3	-5.0	108	0.00	4.19-	4.25
10	B	alpha-Chlordane	234.994	249.822	E3	-6.3	109	0.00	4.36-	4.42
11	A	Endosulfan I	231.729	241.330	E3	-4.1	105	0.00	4.42-	4.48
12	B	4,4'-DDE	219.738	239.954	E3	-9.2	112	0.00	4.57-	4.63
13	MA	Dieldrin	244.523	256.150	E3	-4.8	107	0.00	4.75-	4.81
14	MA	Endrin	215.974	199.088	E3	7.8	94	0.00	5.13-	5.19
15	A	4,4'-DDD	158.058	193.116	E3	-22.2#	130	-0.02	5.31-	5.37
16	B	Endosulfan II	244.138	238.213	E3	2.4	99	0.00	5.41-	5.47
17	MA	4,4'-DDT	146.247	141.492	E3	3.3	102	0.00	5.72-	5.78
18	B	Endrin Aldehyde	175.947	186.804	E3	-6.2	109	0.00	5.85-	5.91
19	B	Endosulfan Sulfate	175.321	191.626	E3	-9.3	114	0.00	6.23-	6.29
20	A	Methoxychlor	85.029	94.628	E3	-11.3	112	-0.02	6.69-	6.75
21		Mirex	178.381	190.710	E3	-6.9	106	0.00	6.90-	6.96
22	B	Endrin Ketone	230.775	238.397	E3	-3.3	105	0.00	6.96-	7.02
23	L8	Toxaphene{A}		----------NA----------						
24	L8	Toxaphene{B}		----------NA----------						
25	L8	Toxaphene{C}		----------NA----------						
26	L8	Toxaphene{D}		----------NA----------						
27	L8	Toxaphene{E}		----------NA----------						
28		Chlordane {A}		----------NA----------						
29		Chlordane {B}		----------NA----------						
30		Chlordane {C}		----------NA----------						
31		Chlordane {D}		----------NA----------						
32		Chlordane {E}		----------NA----------						
33	SA	Decachlorobiphenyl	245.806	256.303	E3	-4.3	103	0.00	8.82-	8.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90693.D PXX3622.M Fri Oct 30 14:38:47 2009 GCXX

7.7.47

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90740.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3624\XX90740.D\ECD1A.CH  Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\GXX3624\XX90740.D\ECD2B.CH
Acq On    : 30 Oct 2009   5:02 pm                    Operator: jene
Sample    : cc3622-25                                Inst    : GCXX
Misc      : OP40602,GXX3624,17.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	670.206 E3	1.4	96	0.00	2.02- 2.12
2	A	alpha-BHC	945.547	999.699 E3	-5.7	99	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	911.680 E3	-5.3	99	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	874.186 E3	-3.4	98	0.00	3.33- 3.39
5	B	beta-BHC	403.178	397.168 E3	1.5	97	0.00	2.93- 2.99
6	B	delta-BHC	774.096	870.898 E3	-12.5	108	0.00	3.12- 3.18
7	MB	Aldrin	844.907	860.738 E3	-1.9	95	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	806.388 E3	1.6	93	0.00	4.34- 4.40
9	B	gamma-Chlordane	815.333	804.695 E3	1.3	93	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	759.909 E3	-0.2	98	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	791.597 E3	12.8	83	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	726.741 E3	-14.8	107	0.00	4.73- 4.79
13	MA	Dieldrin	821.126	801.470 E3	2.4	93	0.00	5.11- 5.17
14	MA	Endrin	710.288	721.258 E3	-1.5	95	0.00	5.41- 5.47
15	A	4,4'-DDD	543.133	612.491 E3	-12.8	108	-0.02	5.50- 5.56
16	B	Endosulfan II	722.201	655.282 E3	9.3	88	0.00	5.70- 5.76
17	MA	4,4'-DDT	470.494	493.344 E3	-4.9	96	0.00	5.86- 5.92
18	B	Endrin Aldehyde	593.130	561.491 E3	5.3	96	0.00	6.26- 6.32
19	B	Endosulfan Sulfate	542.070	572.263 E3	-5.6	104	0.00	6.86- 6.92
20	A	Methoxychlor	233.104	256.877 E3	-10.2	110	-0.02	6.53- 6.59
21		Mirex	590.954	542.690 E3	8.2	89	0.00	6.71- 6.77
22	B	Endrin Ketone	715.649	720.744 E3	-0.7	98	0.00	7.26- 7.32
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	666.726 E3	7.4	91	0.00	8.75- 8.81

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	205.044 E3	-1.2	100	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	310.145 E3	-7.7	101	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	280.072 E3	-6.7	102	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	280.741 E3	-0.4	98	0.00	3.02- 3.08
5	B	beta-BHC	123.173	122.729 E3	0.4	100	0.00	2.66- 2.72

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-CC3622
Lab FileID: XX90740.D

6	B	delta-BHC	216.693	256.273	E3	-18.3#	114	0.00	2.95- 3.01
7	MB	Aldrin	257.120	266.876	E3	-3.8	99	0.00	3.35- 3.41
8	B	Heptachlor Epoxide	239.739	223.227	E3	6.9	91	0.00	3.96- 4.02
9	B	gamma-Chlordane	243.633	247.374	E3	-1.5	99	0.00	4.18- 4.24
10	B	alpha-Chlordane	234.994	239.745	E3	-2.0	100	0.00	4.35- 4.41
11	A	Endosulfan I	231.729	233.605	E3	-0.8	98	0.00	4.42- 4.48
12	B	4,4'-DDE	219.738	234.978	E3	-6.9	103	0.00	4.57- 4.63
13	MA	Dieldrin	244.523	252.097	E3	-3.1	99	0.00	4.75- 4.81
14	MA	Endrin	215.974	209.606	E3	2.9	94	0.00	5.13- 5.19
15	A	4,4'-DDD	158.058	191.879	E3	-21.4#	117	-0.02	5.31- 5.37
16	B	Endosulfan II	244.138	232.347	E3	4.8	93	0.00	5.40- 5.46
17	MA	4,4'-DDT	146.247	156.476	E3	-7.0	99	-0.01	5.72- 5.78
18	B	Endrin Aldehyde	175.947	175.683	E3	0.2	101	0.00	5.85- 5.91
19	B	Endosulfan Sulfate	175.321	190.312	E3	-8.6	111	0.00	6.23- 6.29
20	A	Methoxychlor	85.029	90.489	E3	-6.4	103	-0.02	6.69- 6.75
21		Mirex	178.381	173.029	E3	3.0	99	0.00	6.89- 6.95
22	B	Endrin Ketone	230.775	240.878	E3	-4.4	104	0.00	6.96- 7.02
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	245.806	229.241	E3	6.7	94	0.00	8.82- 8.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90694.D PXX3622.M Fri Oct 30 17:15:38 2009 GCXX

7.7.48

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-ECC3622
Lab FileID: XX90751.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3624\XX90751.D\ECD1A.CH  Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\GXX3624\XX90751.D\ECD2B.CH
Acq On    : 30 Oct 2009   8:59 pm                    Operator: jene
Sample    : ecc3622-10                               Inst    : GCXX
Misc      : OP40665,GXX3624,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	720.196 E3	-5.9	111	0.00	2.02- 2.11
2	A	alpha-BHC	945.547	1009.971 E3	-6.8	114	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	935.587 E3	-8.0	114	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	912.841 E3	-8.0	115	0.00	3.33- 3.39
5	B	beta-BHC	403.178	428.811 E3	-6.4	114	0.00	2.93- 2.99
6	B	delta-BHC	774.096	843.400 E3	-9.0	122	0.00	3.12- 3.18
7	MB	Aldrin	844.907	899.725 E3	-6.5	112	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	872.060 E3	-6.5	111	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	862.778 E3	-5.8	109	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	787.013 E3	-3.7	104	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	904.021 E3	0.4	98	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	713.318 E3	-12.6	125	0.00	4.73- 4.79
13	MA	Dieldrin	821.126	864.077 E3	-5.2	111	0.00	5.11- 5.17
14	MA	Endrin	710.288	741.459 E3	-4.4	109	0.00	5.40- 5.46
15	A	4,4'-DDD	543.133	645.340 E3	-18.8#	128	-0.01	5.51- 5.57
16	B	Endosulfan II	722.201	765.772 E3	-6.0	109	0.00	5.70- 5.76
17	MA	4,4'-DDT	470.494	466.000 E3	1.0	107	0.00	5.86- 5.92
18	B	Endrin Aldehyde	593.130	642.616 E3	-8.3	116	0.00	6.26- 6.32
19	B	Endosulfan Sulfate	542.070	625.308 E3	-15.4#	121	0.00	6.86- 6.92
20	A	Methoxychlor	233.104	248.424 E3	-6.6	111	0.00	6.54- 6.60
21		Mirex	590.954	657.709 E3	-11.3	109	0.00	6.71- 6.77
22	B	Endrin Ketone	715.649	830.175 E3	-16.0#	122	0.00	7.26- 7.32
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	795.109 E3	-10.4	110	0.00	8.75- 8.81

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	228.820 E3	-12.9	114	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	318.858 E3	-10.8	115	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	289.517 E3	-10.3	114	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	293.682 E3	-5.0	107	0.00	3.02- 3.08
5	B	beta-BHC	123.173	141.045 E3	-14.5	112	0.00	2.67- 2.73

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3624-ECC3622
Lab FileID: XX90751.D

6	B	delta-BHC	216.693	250.714	E3	-15.7#	123	0.00	2.95-	3.01
7	MB	Aldrin	257.120	277.443	E3	-7.9	111	0.00	3.35-	3.41
8	B	Heptachlor Epoxide	239.739	233.156	E3	2.7	99	0.00	3.96-	4.02
9	B	gamma-Chlordane	243.633	263.134	E3	-8.0	111	0.00	4.18-	4.24
10	B	alpha-Chlordane	234.994	255.592	E3	-8.8	111	0.00	4.35-	4.41
11	A	Endosulfan I	231.729	247.684	E3	-6.9	108	0.00	4.42-	4.48
12	B	4,4'-DDE	219.738	239.203	E3	-8.9	111	0.00	4.57-	4.63
13	MA	Dieldrin	244.523	266.617	E3	-9.0	112	0.00	4.75-	4.81
14	MA	Endrin	215.974	200.421	E3	7.2	95	0.00	5.13-	5.19
15	A	4,4'-DDD	158.058	182.876	E3	-15.7#	124	0.00	5.32-	5.38
16	B	Endosulfan II	244.138	261.151	E3	-7.0	109	0.00	5.40-	5.46
17	MA	4,4'-DDT	146.247	149.903	E3	-2.5	109	0.00	5.72-	5.78
18	B	Endrin Aldehyde	175.947	196.757	E3	-11.8	114	0.00	5.85-	5.91
19	B	Endosulfan Sulfate	175.321	198.221	E3	-13.1	117	0.00	6.23-	6.29
20	A	Methoxychlor	85.029	89.687	E3	-5.5	106	0.00	6.70-	6.76
21		Mirex	178.381	200.880	E3	-12.6	111	0.00	6.89-	6.95
22	B	Endrin Ketone	230.775	267.904	E3	-16.1#	118	0.00	6.96-	7.02
23	L8	Toxaphene{A}		----------NA----------						
24	L8	Toxaphene{B}		----------NA----------						
25	L8	Toxaphene{C}		----------NA----------						
26	L8	Toxaphene{D}		----------NA----------						
27	L8	Toxaphene{E}		----------NA----------						
28		Chlordane {A}		----------NA----------						
29		Chlordane {B}		----------NA----------						
30		Chlordane {C}		----------NA----------						
31		Chlordane {D}		----------NA----------						
32		Chlordane {E}		----------NA----------						
33	SA	Decachlorobiphenyl	245.806	271.608	E3	-10.5	109	0.00	8.83-	8.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90693.D PXX3622.M Mon Nov 02 12:29:44 2009 GCXX

7.7.49

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3625-CC3622
Lab FileID: XX90764.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3625\XX90764.D\ECD1A.CH  Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GXX3625\XX90764.D\ECD2B.CH
Acq On    : 31 Oct 2009  11:01 am                    Operator: TOYAR
Sample    : cc3622-10                                Inst    : GCXX
Misc      : OP40665,GXX3625,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	669.877 E3	1.5	103	0.00	2.02- 2.12
2	A	alpha-BHC	945.547	928.436 E3	1.8	105	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	856.651 E3	1.1	105	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	777.589 E3	8.0	98	0.00	3.33- 3.39
5	B	beta-BHC	403.178	410.784 E3	-1.9	109	0.00	2.93- 2.99
6	B	delta-BHC	774.096	787.991 E3	-1.8	114	0.00	3.12- 3.18
7	MB	Aldrin	844.907	828.576 E3	1.9	103	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	826.235 E3	-0.9	105	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	805.049 E3	1.3	102	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	714.341 E3	5.9	94	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	896.113 E3	1.3	97	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	627.873 E3	0.9	110	0.00	4.73- 4.79
13	MA	Dieldrin	821.126	812.055 E3	1.1	104	0.00	5.11- 5.17
14	MA	Endrin	710.288	636.457 E3	10.4	94	0.00	5.41- 5.47
15	A	4,4'-DDD	543.133	540.092 E3	0.6	107	0.00	5.51- 5.57
16	B	Endosulfan II	722.201	715.836 E3	0.9	102	0.00	5.70- 5.76
17	MA	4,4'-DDT	470.494	362.289 E3	23.0#	83	0.00	5.87- 5.93
18	B	Endrin Aldehyde	593.130	595.641 E3	-0.4	108	0.00	6.26- 6.32
19	B	Endosulfan Sulfate	542.070	580.843 E3	-7.2	112	0.00	6.86- 6.92
20	A	Methoxychlor	233.104	188.108 E3	19.3#	84	0.00	6.55- 6.61
21		Mirex	590.954	604.319 E3	-2.3	100	0.00	6.71- 6.77
22	B	Endrin Ketone	715.649	791.950 E3	-10.7	116	0.00	7.26- 7.32
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	685.421 E3	4.8	94	0.00	8.75- 8.81

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	205.422 E3	-1.4	102	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	282.102 E3	2.0	102	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	257.482 E3	1.9	101	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	259.740 E3	7.2	94	0.00	3.01- 3.07
5	B	beta-BHC	123.173	126.164 E3	-2.4	101	0.00	2.67- 2.73

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3625-CC3622
Lab FileID: XX90764.D

6	B	delta-BHC	216.693	212.778	E3	1.8	104	0.00	2.95- 3.01
7	MB	Aldrin	257.120	250.194	E3	2.7	100	0.00	3.34- 3.40
8	B	Heptachlor Epoxide	239.739	219.409	E3	8.5	93	0.00	3.96- 4.02
9	B	gamma-Chlordane	243.633	239.218	E3	1.8	101	0.00	4.18- 4.24
10	B	alpha-Chlordane	234.994	230.452	E3	1.9	100	0.00	4.35- 4.41
11	A	Endosulfan I	231.729	223.270	E3	3.7	97	0.00	4.42- 4.48
12	B	4,4'-DDE	219.738	211.309	E3	3.8	98	0.00	4.57- 4.63
13	MA	Dieldrin	244.523	238.951	E3	2.3	100	0.00	4.75- 4.81
14	MA	Endrin	215.974	184.947	E3	14.4	87	0.00	5.13- 5.19
15	A	4,4'-DDD	158.058	155.543	E3	1.6	105	0.00	5.32- 5.38
16	B	Endosulfan II	244.138	242.254	E3	0.8	101	0.00	5.40- 5.46
17	MA	4,4'-DDT	146.247	126.843	E3	13.3	92	0.00	5.72- 5.78
18	B	Endrin Aldehyde	175.947	180.194	E3	-2.4	105	0.00	5.85- 5.91
19	B	Endosulfan Sulfate	175.321	171.410	E3	2.2	102	0.00	6.23- 6.29
20	A	Methoxychlor	85.029	79.494	E3	6.5	94	0.00	6.70- 6.76
21		Mirex	178.381	186.038	E3	-4.3	103	0.00	6.89- 6.95
22	B	Endrin Ketone	230.775	241.915	E3	-4.8	107	0.00	6.96- 7.02
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	245.806	248.866	E3	-1.2	100	0.00	8.83- 8.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90693.D PXX3622.M Mon Nov 02 12:34:22 2009 GCXX

7.7.50

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3625-ECC3622
Lab FileID: XX90775.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3625\XX90775.D\ECD1A.CH  Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\GXX3625\XX90775.D\ECD2B.CH
Acq On    : 31 Oct 2009   3:05 pm                    Operator: TOYAR
Sample    : ecc3622-25                               Inst    : GCXX
Misc      : OP40665,GXX3625,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Oct 29 15:08:13 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	751.281 E3	-10.5	107	0.00	2.03- 2.12
2	A	alpha-BHC	945.547	1104.930 E3	-16.9#	109	0.00	2.55- 2.61
3	MA	gamma-BHC	865.946	1003.852 E3	-15.9#	109	0.00	2.85- 2.91
4	MA	Heptachlor	845.286	949.487 E3	-12.3	106	0.00	3.33- 3.39
5	B	beta-BHC	403.178	443.652 E3	-10.0	108	0.00	2.94- 3.00
6	B	delta-BHC	774.096	935.902 E3	-20.9#	116	0.00	3.12- 3.18
7	MB	Aldrin	844.907	978.204 E3	-15.8#	108	0.00	3.66- 3.72
8	B	Heptachlor Epoxide	819.203	918.163 E3	-12.1	106	0.00	4.34- 4.40
9	B	gamma-Chlordane	815.333	913.242 E3	-12.0	106	0.00	4.49- 4.55
10	B	alpha-Chlordane	758.727	844.848 E3	-11.4	109	0.00	4.64- 4.70
11	A	Endosulfan I	907.624	1088.285 E3	-19.9#	113	0.00	4.81- 4.87
12	B	4,4'-DDE	633.259	638.344 E3	-0.8	94	0.00	4.74- 4.80
13	MA	Dieldrin	821.126	934.023 E3	-13.7	108	0.00	5.11- 5.17
14	MA	Endrin	710.288	701.383 E3	1.3	92	0.00	5.41- 5.47
15	A	4,4'-DDD	543.133	607.425 E3	-11.8	107	0.01	5.53- 5.59
16	B	Endosulfan II	722.201	845.681 E3	-17.1#	113	0.00	5.70- 5.76
17	MA	4,4'-DDT	470.494	501.597 E3	-6.6	97	0.00	5.88- 5.94
18	B	Endrin Aldehyde	593.130	680.093 E3	-14.7	116	0.00	6.26- 6.32
19	B	Endosulfan Sulfate	542.070	637.905 E3	-17.7#	116	0.00	6.87- 6.93
20	A	Methoxychlor	233.104	214.552 E3	8.0	92	0.01	6.56- 6.62
21		Mirex	590.954	682.223 E3	-15.4#	112	0.00	6.72- 6.78
22	B	Endrin Ketone	715.649	882.453 E3	-23.3#	120	0.00	7.26- 7.32
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	757.125 E3	-5.1	103	0.00	8.76- 8.82

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	213.923 E3	-5.6	104	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	319.937 E3	-11.1	105	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	285.972 E3	-9.0	104	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	288.731 E3	-3.2	101	0.00	3.01- 3.07
5	B	beta-BHC	123.173	126.210 E3	-2.5	103	0.00	2.67- 2.73

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3625-ECC3622
Lab FileID: XX90775.D

6	B	delta-BHC	216.693	241.506	E3	-11.5	108	0.00	2.95- 3.01
7	MB	Aldrin	257.120	278.637	E3	-8.4	104	0.00	3.35- 3.41
8	B	Heptachlor Epoxide	239.739	257.455	E3	-7.4	106	0.00	3.96- 4.02
9	B	gamma-Chlordane	243.633	260.473	E3	-6.9	104	0.00	4.18- 4.24
10	B	alpha-Chlordane	234.994	250.138	E3	-6.4	104	0.00	4.35- 4.41
11	A	Endosulfan I	231.729	248.072	E3	-7.1	104	0.00	4.42- 4.48
12	B	4,4'-DDE	219.738	232.441	E3	-5.8	101	0.00	4.57- 4.63
13	MA	Dieldrin	244.523	271.225	E3	-10.9	107	0.00	4.75- 4.81
14	MA	Endrin	215.974	200.050	E3	7.4	89	0.00	5.13- 5.19
15	A	4,4'-DDD	158.058	152.008	E3	3.8	93	0.00	5.33- 5.39
16	B	Endosulfan II	244.138	273.993	E3	-12.2	110	0.00	5.41- 5.47
17	MA	4,4'-DDT	146.247	144.828	E3	1.0	91	0.00	5.73- 5.79
18	B	Endrin Aldehyde	175.947	192.150	E3	-9.2	110	0.00	5.85- 5.91
19	B	Endosulfan Sulfate	175.321	185.495	E3	-5.8	108	0.00	6.23- 6.29
20	A	Methoxychlor	85.029	78.621	E3	7.5	90	0.00	6.71- 6.77
21		Mirex	178.381	184.780	E3	-3.6	106	0.00	6.90- 6.96
22	B	Endrin Ketone	230.775	264.214	E3	-14.5	114	0.00	6.96- 7.02
23	L8	Toxaphene{A}		----------NA----------					
24	L8	Toxaphene{B}		----------NA----------					
25	L8	Toxaphene{C}		----------NA----------					
26	L8	Toxaphene{D}		----------NA----------					
27	L8	Toxaphene{E}		----------NA----------					
28		Chlordane {A}		----------NA----------					
29		Chlordane {B}		----------NA----------					
30		Chlordane {C}		----------NA----------					
31		Chlordane {D}		----------NA----------					
32		Chlordane {E}		----------NA----------					
33	SA	Decachlorobiphenyl	245.806	248.654	E3	-1.2	102	0.00	8.83- 8.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90694.D PXX3622.M Mon Nov 02 12:45:51 2009 GCXX

7.7.51

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3628-CC3622
Lab FileID: XX90857.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3628\XX90857.D\ECD1A.CH  Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GXX3628\XX90857.D\ECD2B.CH
Acq On    :  4 Nov 2009   7:52 pm                    Operator: jene
Sample    : cc3622-10                                Inst    : GCXX
Misc      : OP40665,GXX3628,15.0,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Nov 05 10:16:40 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	626.366 E3	7.9	97	0.00	2.02- 2.12
2	A	alpha-BHC	945.547	881.588 E3	6.8	100	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	777.282 E3	10.2	95	0.00	2.84- 2.90
4	MA	Heptachlor	845.286	781.684 E3	7.5	98	0.00	3.32- 3.38
5	B	beta-BHC	403.178	344.506 E3	14.6	92	0.00	2.93- 2.99
6	B	delta-BHC	774.096	673.980 E3	12.9	97	0.00	3.11- 3.17
7	MB	Aldrin	844.907	745.152 E3	11.8	93	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	720.770 E3	12.0	91	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	707.177 E3	13.3	89	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	683.021 E3	10.0	90	0.00	4.63- 4.69
11	A	Endosulfan I	907.624	703.571 E3	22.5#	76	0.00	4.80- 4.86
12	B	4,4'-DDE	633.259	620.608 E3	2.0	109	0.00	4.72- 4.78
13	MA	Dieldrin	821.126	711.818 E3	13.3	92	0.00	5.10- 5.16
14	MA	Endrin	710.288	620.835 E3	12.6	91	0.00	5.40- 5.46
15	A	4,4'-DDD	543.133	504.994 E3	7.0	101	0.00	5.49- 5.55
16	B	Endosulfan II	722.201	628.367 E3	13.0	89	0.00	5.69- 5.75
17	MA	4,4'-DDT	470.494	304.926 E3	35.2#	70	0.00	5.85- 5.91
18	B	Endrin Aldehyde	593.130	538.436 E3	9.2	97	0.00	6.25- 6.31
19	B	Endosulfan Sulfate	542.070	550.072 E3	-1.5	106	0.00	6.85- 6.91
20	A	Methoxychlor	233.104	206.809 E3	11.3	92	0.00	6.52- 6.58
21		Mirex	590.954	509.767 E3	13.7	84	0.00	6.70- 6.76
22	B	Endrin Ketone	715.649	628.013 E3	12.2	92	0.00	7.25- 7.31
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	666.237 E3	7.5	92	0.00	8.73- 8.79

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	200.499 E3	1.0	100	0.00	1.74- 1.84
2	A	alpha-BHC	287.880	281.136 E3	2.3	101	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	257.319 E3	1.9	101	0.00	2.59- 2.65
4	MA	Heptachlor	279.746	268.035 E3	4.2	97	0.00	3.01- 3.07
5	B	beta-BHC	123.173	121.928 E3	1.0	97	0.00	2.66- 2.72

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3628-CC3622
Lab FileID: XX90857.D

6	B	delta-BHC	216.693	219.362	E3	-1.2	107	0.00	2.95- 3.01
7	MB	Aldrin	257.120	245.979	E3	4.3	99	0.00	3.34- 3.40
8	B	Heptachlor Epoxide	239.739	209.751	E3	12.5	89	0.00	3.96- 4.02
9	B	gamma-Chlordane	243.633	235.291	E3	3.4	99	0.00	4.18- 4.24
10	B	alpha-Chlordane	234.994	229.562	E3	2.3	100	0.00	4.35- 4.41
11	A	Endosulfan I	231.729	219.835	E3	5.1	96	0.00	4.41- 4.47
12	B	4,4'-DDE	219.738	215.857	E3	1.8	100	0.00	4.57- 4.63
13	MA	Dieldrin	244.523	228.137	E3	6.7	96	0.00	4.74- 4.80
14	MA	Endrin	215.974	183.684	E3	15.0	87	0.00	5.12- 5.18
15	A	4,4'-DDD	158.058	174.566	E3	-10.4	118	0.00	5.30- 5.36
16	B	Endosulfan II	244.138	225.776	E3	7.5	94	0.00	5.40- 5.46
17	MA	4,4'-DDT	146.247	124.904	E3	14.6	90	0.00	5.71- 5.77
18	B	Endrin Aldehyde	175.947	167.389	E3	4.9	97	0.00	5.84- 5.90
19	B	Endosulfan Sulfate	175.321	173.636	E3	1.0	103	0.00	6.22- 6.28
20	A	Methoxychlor	85.029	74.448	E3	12.4	88	0.00	6.68- 6.74
21		Mirex	178.381	179.940	E3	-0.9	100	0.00	6.89- 6.95
22	B	Endrin Ketone	230.775	226.364	E3	1.9	100	0.00	6.95- 7.01
23	L8	Toxaphene{A}	----------NA----------						
24	L8	Toxaphene{B}	----------NA----------						
25	L8	Toxaphene{C}	----------NA----------						
26	L8	Toxaphene{D}	----------NA----------						
27	L8	Toxaphene{E}	----------NA----------						
28		Chlordane {A}	----------NA----------						
29		Chlordane {B}	----------NA----------						
30		Chlordane {C}	----------NA----------						
31		Chlordane {D}	----------NA----------						
32		Chlordane {E}	----------NA----------						
33	SA	Decachlorobiphenyl	245.806	239.200	E3	2.7	96	0.00	8.81- 8.87

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90693.D PXX3622.M Thu Nov 05 17:11:27 2009 GCXX

7.7.52

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3628-ECC3622
Lab FileID: XX90868.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3628\XX90868.D\ECD1A.CH  Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\GXX3628\XX90868.D\ECD2B.CH
Acq On    :  5 Nov 2009  12:19 am                    Operator: jene
Sample    : ecc3622-25                               Inst    : GCXX
Misc      : OP40665,GXX3628,17.1,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3622.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Thu Nov 05 10:16:40 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	679.831	740.818 E3	-9.0	106	0.00	2.02- 2.12
2	A	alpha-BHC	945.547	1067.186 E3	-12.9	105	0.00	2.54- 2.60
3	MA	gamma-BHC	865.946	967.120 E3	-11.7	105	0.00	2.84- 2.90
4	MA	Heptachlor	845.286	945.414 E3	-11.8	106	0.00	3.32- 3.38
5	B	beta-BHC	403.178	417.744 E3	-3.6	102	0.00	2.93- 2.99
6	B	delta-BHC	774.096	872.417 E3	-12.7	108	0.00	3.11- 3.17
7	MB	Aldrin	844.907	927.733 E3	-9.8	103	0.00	3.65- 3.71
8	B	Heptachlor Epoxide	819.203	884.135 E3	-7.9	102	0.00	4.33- 4.39
9	B	gamma-Chlordane	815.333	875.103 E3	-7.3	101	0.00	4.48- 4.54
10	B	alpha-Chlordane	758.727	823.992 E3	-8.6	107	0.00	4.63- 4.69
11	A	Endosulfan I	907.624	916.016 E3	-0.9	96	0.00	4.80- 4.86
12	B	4,4'-DDE	633.259	691.667 E3	-9.2	102	0.00	4.72- 4.78
13	MA	Dieldrin	821.126	893.498 E3	-8.8	103	0.00	5.10- 5.16
14	MA	Endrin	710.288	736.933 E3	-3.8	97	0.00	5.40- 5.46
15	A	4,4'-DDD	543.133	591.968 E3	-9.0	105	0.00	5.50- 5.56
16	B	Endosulfan II	722.201	756.948 E3	-4.8	101	0.00	5.69- 5.75
17	MA	4,4'-DDT	470.494	446.801 E3	5.0	87	0.00	5.85- 5.91
18	B	Endrin Aldehyde	593.130	590.026 E3	0.5	101	0.00	6.25- 6.31
19	B	Endosulfan Sulfate	542.070	599.141 E3	-10.5	109	0.00	6.85- 6.91
20	A	Methoxychlor	233.104	229.176 E3	1.7	98	0.00	6.53- 6.59
21		Mirex	590.954	579.079 E3	2.0	95	0.00	6.70- 6.76
22	B	Endrin Ketone	715.649	764.731 E3	-6.9	104	0.00	7.25- 7.31
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	720.067	725.050 E3	-0.7	99	0.00	8.74- 8.80

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	202.614	217.903 E3	-7.5	106	0.00	1.74- 1.83
2	A	alpha-BHC	287.880	327.412 E3	-13.7	107	0.00	2.27- 2.33
3	MA	gamma-BHC	262.397	294.224 E3	-12.1	107	0.00	2.58- 2.64
4	MA	Heptachlor	279.746	300.571 E3	-7.4	105	0.00	3.01- 3.07
5	B	beta-BHC	123.173	126.914 E3	-3.0	103	0.00	2.66- 2.72

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3628-ECC3622
Lab FileID: XX90868.D

6	B	delta-BHC	216.693	251.768	E3	-16.2#	112	0.00	2.95-	3.01
7	MB	Aldrin	257.120	284.832	E3	-10.8	106	0.00	3.34-	3.40
8	B	Heptachlor Epoxide	239.739	261.708	E3	-9.2	107	0.00	3.96-	4.02
9	B	gamma-Chlordane	243.633	263.936	E3	-8.3	105	0.00	4.18-	4.24
10	B	alpha-Chlordane	234.994	253.984	E3	-8.1	106	0.00	4.35-	4.41
11	A	Endosulfan I	231.729	248.774	E3	-7.4	104	0.00	4.41-	4.47
12	B	4,4'-DDE	219.738	242.773	E3	-10.5	106	0.00	4.57-	4.63
13	MA	Dieldrin	244.523	269.650	E3	-10.3	106	0.00	4.74-	4.80
14	MA	Endrin	215.974	225.970	E3	-4.6	101	0.00	5.12-	5.18
15	A	4,4'-DDD	158.058	170.540	E3	-7.9	104	0.00	5.31-	5.37
16	B	Endosulfan II	244.138	259.722	E3	-6.4	104	0.00	5.40-	5.46
17	MA	4,4'-DDT	146.247	147.749	E3	-1.0	93	0.00	5.71-	5.77
18	B	Endrin Aldehyde	175.947	182.417	E3	-3.7	105	0.00	5.84-	5.90
19	B	Endosulfan Sulfate	175.321	190.054	E3	-8.4	110	0.00	6.22-	6.28
20	A	Methoxychlor	85.029	78.684	E3	7.5	90	0.00	6.69-	6.75
21		Mirex	178.381	181.859	E3	-1.9	104	0.00	6.88-	6.94
22	B	Endrin Ketone	230.775	251.035	E3	-8.8	109	0.00	6.95-	7.01
23	L8	Toxaphene{A}		----------NA----------						
24	L8	Toxaphene{B}		----------NA----------						
25	L8	Toxaphene{C}		----------NA----------						
26	L8	Toxaphene{D}		----------NA----------						
27	L8	Toxaphene{E}		----------NA----------						
28		Chlordane {A}		----------NA----------						
29		Chlordane {B}		----------NA----------						
30		Chlordane {C}		----------NA----------						
31		Chlordane {D}		----------NA----------						
32		Chlordane {E}		----------NA----------						
33	SA	Decachlorobiphenyl	245.806	252.103	E3	-2.6	104	0.00	8.82-	8.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90868.D PXX3622.M Thu Nov 05 17:13:09 2009 GCXX

7.7.53

7

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3633-ICC3633
Lab FileID: XX90969.D

Response Factor Report GCXX

Method : C:\HPCHEM\1\METHODS\PXX3633.M (Chemstation Integrator)
Title : PEST/PCB
Last Update : Wed Nov 11 15:45:31 2009
Response via : Initial Calibration

Calibration Files
2 =XX90966.D 5 =XX90967.D 10 =XX90968.D 25 =XX90969.D
50 =XX90970.D 100 =XX90974.D

		Compound	2	5	10	25	50	100	Avg		%RSD
1)	SAB	Tetrachloro-m-xylen	6.596	6.417	6.691	6.750	6.817	5.817	6.515	E5	5.67
2)	A	alpha-BHC	0.932	0.936	0.963	1.013	1.036	0.900	0.963	E6	5.39
3)	MA	gamma-BHC	8.434	8.537	8.780	9.074	9.186	8.009	8.670	E5	5.03
4)	MA	Heptachlor	8.269	8.169	8.428	9.096	9.128	8.079	8.528	E5	5.48
5)	B	beta-BHC	3.966	3.820	3.809	3.963	3.900	3.395	3.809	E5	5.61
6)	B	delta-BHC	7.102	6.952	7.213	7.823	8.120	7.152	7.393	E5	6.29
7)	MB	Aldrin	7.917	8.468	8.590	9.010	9.106	7.917	8.501	E5	6.03
8)	B	Heptachlor Epoxide	7.758	8.041	8.272	8.512	8.499	7.353	8.073	E5	5.63
9)	B	gamma-Chlordane	7.574	7.821	8.369	8.634	8.551	7.436	8.064	E5	6.44
10)	B	alpha-Chlordane	7.342	7.628	7.867	8.118	8.161	6.974	7.682	E5	6.03
11)	A	Endosulfan I	8.046	8.482	8.602	9.164	9.045	7.871	8.535	E5	6.07
12)	B	4,4'-DDE	6.150	6.304	6.351	6.814	6.922	5.999	6.423	E5	5.73
13)	MA	Dieldrin	8.401	8.043	8.386	8.602	8.696	7.587	8.286	E5	4.94
14)	MA	Endrin	7.067	7.189	7.261	7.669	7.668	6.678	7.255	E5	5.21
15)	A	4,4'-DDD	6.286	6.585	6.355	6.596	6.694	5.663	6.363	E5	5.92
16)	B	Endosulfan II	7.385	6.940	7.322	7.579	7.681	6.559	7.244	E5	5.83
17)	MA	4,4'-DDT	3.177	3.317	4.037	4.728	4.816	4.722	4.133	E5	17.97
18)	B	Endrin Aldehyde	6.838	5.880	5.748	6.022	6.098	5.322	5.985	E5	8.35
19)	B	Endosulfan Sulfate	5.793	5.374	5.881	6.148	6.026	5.302	5.754	E5	6.00
20)	A	Methoxychlor	2.815	2.297	2.502	2.641	2.594	2.317	2.528	E5	7.87
21)		Mirex	6.123	5.764	6.047	6.135	5.914	5.066	5.841	E5	6.93
22)	B	Endrin Ketone	7.255	7.009	7.022	7.332	7.328	6.449	7.066	E5	4.74
23)	L8	Toxaphene{A}					2.468		2.468	E4	0.00
24)	L8	Toxaphene{B}					3.083		3.083	E4	0.00
25)	L8	Toxaphene{C}					3.958		3.958	E4	0.00
26)	L8	Toxaphene{D}					2.263		2.263	E4	0.00
27)	L8	Toxaphene{E}					1.888		1.888	E4	0.00
28)		Chlordane {A}					4.620		4.620	E4	0.00
29)		Chlordane {B}					2.759		2.759	E4	0.00
30)		Chlordane {C}					1.119		1.119	E5	0.00
31)		Chlordane {D}					1.911		1.911	E5	0.00
32)		Chlordane {E}					4.829		4.829	E3	0.00
33)	SA	Decachlorobiphenyl	6.721	7.006	6.600	6.623	6.571	5.675	6.533	E5	6.88

Signal #2

1)	SAB	Tetrachloro-m-xylen	2.068	2.074	2.054	2.157	2.130	1.854	2.056	E5	5.20
2)	A	alpha-BHC	2.950	2.935	3.156	3.328	3.341	2.947	3.110	E5	6.20
3)	MA	gamma-BHC	2.757	2.790	2.758	2.901	2.935	2.602	2.791	E5	4.26
4)	MA	Heptachlor	2.795	2.837	2.923	3.045	3.043	2.801	2.907	E5	3.96
5)	B	beta-BHC	1.526	1.411	1.278	1.261	1.259	1.107	1.307	E5	11.04
6)	B	delta-BHC	2.352	2.170	2.215	2.294	2.386	2.142	2.260	E5	4.40
7)	MB	Aldrin	2.543	2.678	2.717	2.857	2.906	2.578	2.713	E5	5.36
8)	B	Heptachlor Epoxide	2.920	2.586	2.638	2.723	2.705	2.365	2.656	E5	6.86
9)	B	gamma-Chlordane	2.908	2.598	2.687	2.719	2.694	2.381	2.665	E5	6.47
10)	B	alpha-Chlordane	2.670	2.423	2.477	2.567	2.567	2.256	2.493	E5	5.78
11)	A	Endosulfan I	2.436	2.349	2.383	2.525	2.503	2.221	2.403	E5	4.65

Initial Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3633-ICC3633
Lab FileID: XX90969.D

12)	B	4,4'-DDE	2.560	2.420	2.452	2.569	2.552	2.258	2.469	E5	4.88
13)	MA	Dieldrin	2.599	2.505	2.539	2.747	2.753	2.461	2.601	E5	4.78
14)	MA	Endrin	2.350	2.273	2.315	2.415	2.430	2.172	2.326	E5	4.13
15)	A	4,4'-DDD	2.157	1.748	1.676	1.797	1.878	1.636	1.815	E5	10.36
16)	B	Endosulfan II	2.723	2.596	2.560	2.684	2.722	2.399	2.614	E5	4.77
17)	MA	4,4'-DDT	0.948	0.967	1.190	1.416	1.452		1.195	E5	19.99
18)	B	Endrin Aldehyde	1.823	1.722	1.723	1.793	1.830	1.659	1.758	E5	3.85
19)	B	Endosulfan Sulfate	1.802	1.703	1.715	1.813	1.844	1.669	1.758	E5	4.05
20)	A	Methoxychlor	8.233	7.060	6.720	7.949	8.028	7.681	7.612	E4	7.83
21)		Mirex	2.037	1.824	1.783	1.797	1.760	1.567	1.795	E5	8.37
22)	B	Endrin Ketone	2.238	2.394	2.320	2.381	2.383	2.113	2.305	E5	4.81
23)	L8	Toxaphene{A}					5.538		5.538	E3	0.00
24)	L8	Toxaphene{B}					6.903		6.903	E3	0.00
25)	L8	Toxaphene{C}					1.252		1.252	E4	0.00
26)	L8	Toxaphene{D}					7.345		7.345	E3	0.00
27)	L8	Toxaphene{E}					5.751		5.751	E3	0.00
28)		Chlordane {A}					1.549		1.549	E4	0.00
29)		Chlordane {B}					8.929		8.929	E3	0.00
30)		Chlordane {C}					3.435		3.435	E4	0.00
31)		Chlordane {D}					5.954		5.954	E4	0.00
32)		Chlordane {E}					1.316		1.316	E3	0.00
33)	SA	Decachlorobiphenyl	2.516	2.508	2.523	2.547	2.485	2.105	2.447	E5	6.90

(#) = Out of Range

PXX3633.M Wed Nov 11 16:55:39 2009 GCXX

7.7.54

7

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3633-ICV3633
Lab FileID: XX90975.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3633\XX90975.D\ECD1A.CH  Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GXX3633\XX90975.D\ECD2B.CH
Acq On    : 11 Nov 2009   2:22 pm                    Operator: jene
Sample    : icv3633-25                               Inst    : GCXX
Misc      : OP40783,GXX3633,100,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3633.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Wed Nov 11 15:45:31 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	651.478	723.720 E3	-11.1	107	0.00	1.91- 2.00
2	A	alpha-BHC	963.427	1032.879 E3	-7.2	102	0.00	2.41- 2.47
3	MA	gamma-BHC	867.016	929.891 E3	-7.3	102	0.00	2.71- 2.77
4	MA	Heptachlor	852.814	881.986 E3	-3.4	97	0.00	3.18- 3.24
5	B	beta-BHC	380.883	410.985 E3	-7.9	104	0.00	2.80- 2.86
6	B	delta-BHC	739.345	787.319 E3	-6.5	101	0.00	2.98- 3.04
7	MB	Aldrin	850.115	914.869 E3	-7.6	102	0.00	3.50- 3.56
8	B	Heptachlor Epoxide	807.250	866.946 E3	-7.4	102	0.00	4.16- 4.22
9	B	gamma-Chlordane	806.421	877.344 E3	-8.8	102	0.00	4.31- 4.37
10	B	alpha-Chlordane	768.179	808.216 E3	-5.2	100	0.00	4.47- 4.53
11	A	Endosulfan I	853.494	969.550 E3	-13.6	106	0.00	4.63- 4.69
12	B	4,4'-DDE	642.342	637.086 E3	0.8	93	0.00	4.57- 4.63
13	MA	Dieldrin	828.581	902.758 E3	-9.0	105	0.00	4.92- 4.98
14	MA	Endrin	725.539	791.664 E3	-9.1	103	0.00	5.22- 5.28
15	A	4,4'-DDD	636.335	689.060 E3	-8.3	104	0.01	5.34- 5.40
16	B	Endosulfan II	724.427	809.569 E3	-11.8	107	0.00	5.51- 5.57
17	MA	4,4'-DDT	413.292	422.869 E3	-2.3	89	0.00	5.68- 5.74
18	B	Endrin Aldehyde	598.459	572.136 E3	4.4	95	0.00	6.06- 6.12
19	B	Endosulfan Sulfate	575.389	608.472 E3	-5.7	99	0.00	6.66- 6.72
20	A	Methoxychlor	252.771	272.484 E3	-7.8	103	0.00	6.36- 6.42
21		Mirex	584.129	626.559 E3	-7.3	102	0.00	6.51- 6.57
22	B	Endrin Ketone	706.575	724.107 E3	-2.5	99	0.00	7.05- 7.11
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	653.258	686.558 E3	-5.1	104	0.00	8.54- 8.60

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	205.627	219.926 E3	-7.0	102	0.00	1.63- 1.73
2	A	alpha-BHC	310.961	343.455 E3	-10.4	103	0.00	2.15- 2.21
3	MA	gamma-BHC	279.058	310.670 E3	-11.3	107	0.00	2.46- 2.52
4	MA	Heptachlor	290.727	313.020 E3	-7.7	103	0.00	2.87- 2.93
5	B	beta-BHC	130.678	141.186 E3	-8.0	112	0.00	2.54- 2.60

Initial Calibration Verification

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3633-ICV3633
Lab FileID: XX90975.D

6	B	delta-BHC	226.001	238.997	E3	-5.8	104	0.00	2.81-	2.87
7	MB	Aldrin	271.322	296.024	E3	-9.1	104	0.00	3.19-	3.25
8	B	Heptachlor Epoxide	265.609	289.036	E3	-8.8	106	0.00	3.80-	3.86
9	B	gamma-Chlordane	266.455	285.314	E3	-7.1	105	0.00	4.02-	4.08
10	B	alpha-Chlordane	249.340	265.881	E3	-6.6	104	0.00	4.18-	4.24
11	A	Endosulfan I	240.281	261.199	E3	-8.7	103	0.00	4.25-	4.31
12	B	4,4'-DDE	246.854	248.006	E3	-0.5	97	0.00	4.41-	4.47
13	MA	Dieldrin	260.080	284.985	E3	-9.6	104	0.00	4.57-	4.63
14	MA	Endrin	232.576	250.438	E3	-7.7	104	0.00	4.94-	5.00
15	A	4,4'-DDD	181.525	171.098	E3	5.7	95	0.00	5.14-	5.20
16	B	Endosulfan II	261.391	290.130	E3	-11.0	108	0.00	5.22-	5.28
17	MA	4,4'-DDT	119.482	130.054	E3	-8.8	92	0.00	5.54-	5.60
18	B	Endrin Aldehyde	175.831	170.823	E3	2.8	95	0.00	5.66-	5.72
19	B	Endosulfan Sulfate	175.775	186.742	E3	-6.2	103	0.00	6.04-	6.10
20	A	Methoxychlor	76.119	75.332	E3	1.0	95	0.00	6.51-	6.57
21		Mirex	179.473	175.655	E3	2.1	98	0.00	6.69-	6.75
22	B	Endrin Ketone	230.491	231.849	E3	-0.6	97	0.00	6.75-	6.81
23	L8	Toxaphene{A}	----------NA----------							
24	L8	Toxaphene{B}	----------NA----------							
25	L8	Toxaphene{C}	----------NA----------							
26	L8	Toxaphene{D}	----------NA----------							
27	L8	Toxaphene{E}	----------NA----------							
28		Chlordane {A}	----------NA----------							
29		Chlordane {B}	----------NA----------							
30		Chlordane {C}	----------NA----------							
31		Chlordane {D}	----------NA----------							
32		Chlordane {E}	----------NA----------							
33	SA	Decachlorobiphenyl	244.748	260.476	E3	-6.4	102	0.00	8.62-	8.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90969.D PXX3633.M Wed Nov 11 16:55:38 2009 GCXX

7.7.55

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3635-CC3633
Lab FileID: XX91000.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3635\XX91000.D\ECD1A.CH  Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\GXX3635\XX91000.D\ECD2B.CH
Acq On    : 12 Nov 2009   9:20 am                    Operator: jene
Sample    : cc3633-25                                Inst    : GCXX
Misc      : OP40841,GXX3635,500,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3633.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Wed Nov 11 15:45:31 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	651.478	669.687 E3	-2.8	99	0.00	1.91- 2.00
2	A	alpha-BHC	963.427	999.282 E3	-3.7	99	0.00	2.41- 2.47
3	MA	gamma-BHC	867.016	907.277 E3	-4.6	100	0.00	2.71- 2.77
4	MA	Heptachlor	852.814	873.375 E3	-2.4	96	0.00	3.18- 3.24
5	B	beta-BHC	380.883	389.269 E3	-2.2	98	0.00	2.79- 2.85
6	B	delta-BHC	739.345	774.943 E3	-4.8	99	0.00	2.97- 3.03
7	MB	Aldrin	850.115	900.130 E3	-5.9	100	0.00	3.49- 3.55
8	B	Heptachlor Epoxide	807.250	829.236 E3	-2.7	97	0.00	4.16- 4.22
9	B	gamma-Chlordane	806.421	830.062 E3	-2.9	96	0.00	4.31- 4.37
10	B	alpha-Chlordane	768.179	772.120 E3	-0.5	95	0.00	4.46- 4.52
11	A	Endosulfan I	853.494	830.880 E3	2.6	91	0.00	4.63- 4.69
12	B	4,4'-DDE	642.342	710.917 E3	-10.7	104	0.00	4.56- 4.62
13	MA	Dieldrin	828.581	853.665 E3	-3.0	99	0.00	4.92- 4.98
14	MA	Endrin	725.539	765.263 E3	-5.5	100	0.00	5.21- 5.27
15	A	4,4'-DDD	636.335	647.638 E3	-1.8	98	-0.01	5.32- 5.38
16	B	Endosulfan II	724.427	707.401 E3	2.4	93	0.00	5.50- 5.56
17	MA	4,4'-DDT	413.292	429.210 E3	-3.9	91	0.00	5.67- 5.73
18	B	Endrin Aldehyde	598.459	610.066 E3	-1.9	101	0.00	6.06- 6.12
19	B	Endosulfan Sulfate	575.389	608.019 E3	-5.7	99	0.00	6.65- 6.71
20	A	Methoxychlor	252.771	227.309 E3	10.1	86	-0.01	6.34- 6.40
21		Mirex	584.129	582.738 E3	0.2	95	0.00	6.50- 6.56
22	B	Endrin Ketone	706.575	754.295 E3	-6.8	103	0.00	7.04- 7.10
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	653.258	678.884 E3	-3.9	103	0.00	8.53- 8.59

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	205.627	212.574 E3	-3.4	99	0.00	1.64- 1.73
2	A	alpha-BHC	310.961	331.106 E3	-6.5	99	0.00	2.15- 2.21
3	MA	gamma-BHC	279.058	297.658 E3	-6.7	103	0.00	2.46- 2.52
4	MA	Heptachlor	290.727	301.224 E3	-3.6	99	0.00	2.88- 2.94
5	B	beta-BHC	130.678	128.923 E3	1.3	102	0.00	2.54- 2.60

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3635-CC3633
Lab FileID: XX91000.D

6	B	delta-BHC	226.001	248.241	E3	-9.8	108	0.00	2.81-	2.87
7	MB	Aldrin	271.322	294.233	E3	-8.4	103	0.00	3.20-	3.26
8	B	Heptachlor Epoxide	265.609	260.126	E3	2.1	96	0.00	3.80-	3.86
9	B	gamma-Chlordane	266.455	275.901	E3	-3.5	101	0.00	4.02-	4.08
10	B	alpha-Chlordane	249.340	261.119	E3	-4.7	102	0.00	4.18-	4.24
11	A	Endosulfan I	240.281	254.911	E3	-6.1	101	0.00	4.25-	4.31
12	B	4,4'-DDE	246.854	257.768	E3	-4.4	100	0.00	4.40-	4.46
13	MA	Dieldrin	260.080	275.819	E3	-6.1	100	0.00	4.57-	4.63
14	MA	Endrin	232.576	239.211	E3	-2.9	99	0.00	4.94-	5.00
15	A	4,4'-DDD	181.525	207.717	E3	-14.4	116	0.00	5.13-	5.19
16	B	Endosulfan II	261.391	264.653	E3	-1.2	99	0.00	5.21-	5.27
17	MA	4,4'-DDT	119.482	136.291	E3	-14.1	96	0.00	5.53-	5.59
18	B	Endrin Aldehyde	175.831	185.595	E3	-5.6	104	0.00	5.66-	5.72
19	B	Endosulfan Sulfate	175.775	196.358	E3	-11.7	108	0.00	6.03-	6.09
20	A	Methoxychlor	76.119	78.691	E3	-3.4	99	0.00	6.50-	6.56
21		Mirex	179.473	186.296	E3	-3.8	104	0.00	6.68-	6.74
22	B	Endrin Ketone	230.491	254.020	E3	-10.2	107	0.00	6.75-	6.81
23	L8	Toxaphene{A}		----------NA----------						
24	L8	Toxaphene{B}		----------NA----------						
25	L8	Toxaphene{C}		----------NA----------						
26	L8	Toxaphene{D}		----------NA----------						
27	L8	Toxaphene{E}		----------NA----------						
28		Chlordane {A}		----------NA----------						
29		Chlordane {B}		----------NA----------						
30		Chlordane {C}		----------NA----------						
31		Chlordane {D}		----------NA----------						
32		Chlordane {E}		----------NA----------						
33	SA	Decachlorobiphenyl	244.748	249.339	E3	-1.9	98	0.00	8.61-	8.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90969.D PXX3633.M Thu Nov 12 10:38:01 2009 GCXX

7.7.56

7

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3635-CC3633
Lab FileID: XX91011.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\GXX3635\XX91011.D\ECD1A.CH  Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\GXX3635\XX91011.D\ECD2B.CH
Acq On    : 12 Nov 2009   6:19 pm                    Operator: jene
Sample    : cc3633-10                                Inst    : GCXX
Misc      : OP40702,GXX3635,18.3,,,10,1              Multiplr: 1.00
IntFile Signal #1: autoint1.e     IntFile Signal #2: autoint2.e

Method       : C:\HPCHEM\1\METHODS\PXX3633.M (Chemstation Integrator)
Title        : PEST/PCB
Last Update  : Wed Nov 11 15:45:31 2009
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	SAB	Tetrachloro-m-xylene	651.478	640.441 E3	1.7	96	0.00	1.90- 2.00
2	A	alpha-BHC	963.427	939.233 E3	2.5	98	0.00	2.41- 2.47
3	MA	gamma-BHC	867.016	839.055 E3	3.2	96	0.00	2.71- 2.77
4	MA	Heptachlor	852.814	868.734 E3	-1.9	103	0.00	3.18- 3.24
5	B	beta-BHC	380.883	372.370 E3	2.2	98	0.00	2.79- 2.85
6	B	delta-BHC	739.345	630.101 E3	14.8	87	0.00	2.97- 3.03
7	MB	Aldrin	850.115	832.803 E3	2.0	97	0.00	3.49- 3.55
8	B	Heptachlor Epoxide	807.250	800.095 E3	0.9	97	0.00	4.16- 4.22
9	B	gamma-Chlordane	806.421	798.690 E3	1.0	95	0.00	4.31- 4.37
10	B	alpha-Chlordane	768.179	769.685 E3	-0.2	98	0.00	4.46- 4.52
11	A	Endosulfan I	853.494	802.903 E3	5.9	93	0.00	4.63- 4.69
12	B	4,4'-DDE	642.342	689.451 E3	-7.3	109	0.00	4.56- 4.62
13	MA	Dieldrin	828.581	815.980 E3	1.5	97	0.00	4.92- 4.98
14	MA	Endrin	725.539	755.166 E3	-4.1	104	0.00	5.22- 5.28
15	A	4,4'-DDD	636.335	670.113 E3	-5.3	105	0.00	5.32- 5.38
16	B	Endosulfan II	724.427	712.201 E3	1.7	97	0.00	5.51- 5.57
17	MA	4,4'-DDT	413.292	443.532 E3	-7.3	110	0.00	5.67- 5.73
18	B	Endrin Aldehyde	598.459	562.857 E3	5.9	98	0.00	6.06- 6.12
19	B	Endosulfan Sulfate	575.389	532.842 E3	7.4	91	0.00	6.65- 6.71
20	A	Methoxychlor	252.771	278.235 E3	-10.1	111	0.00	6.35- 6.41
21		Mirex	584.129	600.859 E3	-2.9	99	0.00	6.51- 6.57
22	B	Endrin Ketone	706.575	660.178 E3	6.6	94	0.00	7.05- 7.11
23	L8	Toxaphene{A}		----------NA----------				
24	L8	Toxaphene{B}		----------NA----------				
25	L8	Toxaphene{C}		----------NA----------				
26	L8	Toxaphene{D}		----------NA----------				
27	L8	Toxaphene{E}		----------NA----------				
28		Chlordane {A}		----------NA----------				
29		Chlordane {B}		----------NA----------				
30		Chlordane {C}		----------NA----------				
31		Chlordane {D}		----------NA----------				
32		Chlordane {E}		----------NA----------				
33	SA	Decachlorobiphenyl	653.258	659.224 E3	-0.9	100	0.00	8.54- 8.60

***** Signal #2 *****

1	SAB	Tetrachloro-m-xylene	205.627	207.863 E3	-1.1	101	0.00	1.63- 1.72
2	A	alpha-BHC	310.961	300.691 E3	3.3	95	0.00	2.14- 2.20
3	MA	gamma-BHC	279.058	277.063 E3	0.7	100	0.00	2.45- 2.51
4	MA	Heptachlor	290.727	299.545 E3	-3.0	102	0.00	2.87- 2.93
5	B	beta-BHC	130.678	131.568 E3	-0.7	103	0.00	2.53- 2.59

Continuing Calibration Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: GXX3635-CC3633
Lab FileID: XX91011.D

6	B	delta-BHC	226.001	206.407	E3	8.7	93	0.00	2.81-	2.87
7	MB	Aldrin	271.322	273.127	E3	-0.7	101	0.00	3.19-	3.25
8	B	Heptachlor Epoxide	265.609	266.131	E3	-0.2	101	0.00	3.80-	3.86
9	B	gamma-Chlordane	266.455	262.897	E3	1.3	98	0.00	4.01-	4.07
10	B	alpha-Chlordane	249.340	248.618	E3	0.3	100	0.00	4.18-	4.24
11	A	Endosulfan I	240.281	238.959	E3	0.6	100	0.00	4.24-	4.30
12	B	4,4'-DDE	246.854	246.093	E3	0.3	100	0.00	4.40-	4.46
13	MA	Dieldrin	260.080	257.113	E3	1.1	101	0.00	4.57-	4.63
14	MA	Endrin	232.576	236.161	E3	-1.5	102	0.00	4.94-	5.00
15	A	4,4'-DDD	181.525	189.293	E3	-4.3	113	0.00	5.13-	5.19
16	B	Endosulfan II	261.391	245.733	E3	6.0	96	0.00	5.21-	5.27
17	MA	4,4'-DDT	119.482	136.203	E3	-14.0	114	0.00	5.53-	5.59
18	B	Endrin Aldehyde	175.831	173.172	E3	1.5	101	0.00	5.66-	5.72
19	B	Endosulfan Sulfate	175.775	163.462	E3	7.0	95	0.00	6.03-	6.09
20	A	Methoxychlor	76.119	80.015	E3	-5.1	119	0.00	6.50-	6.56
21		Mirex	179.473	182.316	E3	-1.6	102	0.00	6.68-	6.74
22	B	Endrin Ketone	230.491	220.570	E3	4.3	95	0.00	6.75-	6.81
23	L8	Toxaphene{A}		----------NA----------						
24	L8	Toxaphene{B}		----------NA----------						
25	L8	Toxaphene{C}		----------NA----------						
26	L8	Toxaphene{D}		----------NA----------						
27	L8	Toxaphene{E}		----------NA----------						
28		Chlordane {A}		----------NA----------						
29		Chlordane {B}		----------NA----------						
30		Chlordane {C}		----------NA----------						
31		Chlordane {D}		----------NA----------						
32		Chlordane {E}		----------NA----------						
33	SA	Decachlorobiphenyl	244.748	250.358	E3	-2.3	99	0.00	8.61-	8.67

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XX90968.D PXX3633.M Fri Nov 13 12:03:12 2009 GCXX

7.7.57

7

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
Analyst: JW Run ID: MA23418
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:23	MA23418-STD1	1		R=0.999957, B=2.42607e-5, c=-1.418e-2.
15:24	MA23418-STD2	1		STD02REP1
15:25	MA23418-STD3	1		STD03REP1
15:26	MA23418-STD4	1		STD04REP1
15:28	MA23418-STD5	1		STD05REP1
15:29	MA23418-STD6	1		STD06REP1
15:44	MA23418-ICV1	1		
15:45	MA23418-ICB1	1		
15:46	MA23418-CCV1	1		
15:47	MA23418-CCB1	1		
15:49	MA23418-CRI1	1		
15:51	MP50427-MB1	1		
15:52	MP50427-LC1	1		
15:53	MP50427-S1	1		
15:54	MP50427-S2	1		
15:56	ZZZZZZ	1		
15:57	JA31372-39	1		(sample used for QC only; not part of login JA31420)
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	MA23418-CCV2	1		
16:04	MA23418-CCB2	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:17	MA23418-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
Analyst: JW Run ID: MA23418
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:18	MA23418-CCB3	1		
16:19	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:27	MP50428-MB1	1		
16:28	MP50428-LC1	1		
16:29	MP50428-S1	1		
16:31	MP50428-S2	1		
16:32	MA23418-CCV4	1		
16:33	MA23418-CCB4	1		
16:34	JA31456-1	1		(sample used for QC only; not part of login JA31420)
16:35	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:47	MA23418-CCV5	1		
16:48	MA23418-CCB5	1		
16:49	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:57	ZZZZZZ	1		
16:58	ZZZZZZ	1		
16:59	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:02	JA31420-26	1		
---------->	Last reportable sample/prep for job JA31420			
17:03	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
Analyst: JW Run ID: MA23418
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:05	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:08	MA23418-CCV6	1		
17:09	MA23418-CCB6	1		
17:10	MP50385-MB3	1		
17:11	MP50385-LC2	1		
17:13	ZZZZZZ	1		
17:15	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:18	MP50383-LC2	1		
17:19	MP50383-MB3	1		
17:20	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:25	MA23418-CCV7	1		
17:26	MA23418-CCB7	1		
17:28	MA23418-CRI2	1		
17:29	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:34	MA23418-CCV8	1		
17:36	MA23418-CCB8	1		

----------> Last reportable CCB for job JA31420
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA23418 Units: ug/l

Time:			15:45		15:47		16:04		16:18	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.081	-0.019	<0.20	-0.0090	<0.20	-0.013	<0.20	0.015	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA23418 Units: ug/l

Time:			16:33		16:48		17:09		17:26	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.081	0.018	<0.20	0.032	<0.20	-0.0050	<0.20	0.035	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA23418 Units: ug/l

Time:			17:36	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Mercury	0.20	.081	0.032	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA23418 Units: ug/l

Time:		15:44			15:46			16:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.9	96.7	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA23418 Units: ug/l

Time:		16:17			16:32			16:47	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA23418 Units: ug/l

Time:		17:08			17:25			17:34	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H21106W1.PRN Date Analyzed: 11/06/09 Methods: SW846 7470A
QC Limits: 50 to 150 % Recovery Run ID: MA23418 Units: ug/l

Time:			15:49		17:28	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.17	85.0	0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
Analyst: TG Run ID: MA23420
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:59	MA23420-STD1	1		R=0.999922, B=1.92605e-4, C=-2.58386e-2.
16:01	MA23420-STD2	1		STD02REP1
16:02	MA23420-STD3	1		STD03REP1
16:03	MA23420-STD4	1		STD04REP1
16:05	MA23420-STD5	1		STD05REP1
16:06	MA23420-STD6	1		STD06REP1
16:17	MA23420-ICV1	1		
16:18	MA23420-ICB1	1		
16:19	MA23420-CCV1	1		
16:20	MA23420-CCB1	1		
16:21	MA23420-CRI1	1		
16:23	MP50439-MB1	1		
16:24	MP50439-LC1	1		
16:25	MP50439-S1	1		
16:27	MP50439-S2	1		
16:28	JA31385-1	1		(sample used for QC only; not part of login JA31420)
16:29	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:34	MA23420-CCV2	1		
16:36	MA23420-CCB2	1		
16:38	ZZZZZZ	2		
16:40	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:51	MA23420-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
Analyst: TG Run ID: MA23420
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:52	MA23420-CCB3	1		
16:54	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:56	ZZZZZZ	1		
16:57	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:01	MP50440-MB1	1		
17:02	MP50440-LC1	1		
17:03	MP50440-S1	1		Overrange.
17:05	MP50440-S2	1		Overrange.
17:06	MA23420-CCV4	1		
17:07	MA23420-CCB4	1		
17:09	JA31386-7	1		(sample used for QC only; not part of login JA31420)
17:10	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:13	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:19	ZZZZZZ	1		
17:20	MA23420-CCV5	1		
17:22	MA23420-CCB5	1		
17:23	JA31420-1	1		
17:24	JA31420-2	1		
17:25	JA31420-3	1		
17:27	JA31420-4	1		
17:28	JA31420-5	1		
17:29	JA31420-6	1		
17:31	JA31420-7	1		
17:32	JA31420-8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
Analyst: TG Run ID: MA23420
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:33	JA31420-9	1		
	17:34	JA31420-10	1		
	17:36	MA23420-CCV6	1		
	17:37	MA23420-CCB6	1		
	17:38	ZZZZZZ	2		
	17:39	ZZZZZZ	4		
	17:40	ZZZZZZ	4		
	17:41	ZZZZZZ	2		
	17:44	MP50440-S1	2		
	17:45	MP50440-S2	2		
---------->	Last reportable sample/prep for job JA31420				
	17:46	JA31386-7	2		(sample used for QC only; not part of login JA31420)
	17:47	ZZZZZZ	5		
	17:49	ZZZZZZ	5		
	17:50	MP50441-MB1	1		
	17:51	MA23420-CCV7	1		
	17:53	MA23420-CCB7	1		
---------->	Last reportable CCB for job JA31420				
	17:54	MP50441-LC1	1		
	17:56	MP50441-S1	1		
	17:57	MP50441-S2	1		
	17:58	JA32058-2	1		(sample used for QC only; not part of login JA31420)
	18:00	ZZZZZZ	1		
	18:01	ZZZZZZ	1		
	18:02	ZZZZZZ	1		
	18:04	ZZZZZZ	1		
	18:05	ZZZZZZ	1		
	18:06	ZZZZZZ	1		
	18:07	MA23420-CCV8	1		
	18:08	MA23420-CCB8	1		
	18:10	ZZZZZZ	1		
	18:11	ZZZZZZ	1		
	18:12	ZZZZZZ	1		
	18:13	ZZZZZZ	1		
	18:15	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
Analyst: TG Run ID: MA23420
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:16	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:22	MA23420-CCV9	1		
18:23	MA23420-CCB9	1		
18:25	ZZZZZZ	2		
18:26	MA23420-CCV10	1		
18:27	MA23420-CCB10	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA23420 Units: ug/l

Time:			16:18		16:20		16:36		16:52	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.049	0.013	<0.20	-0.017	<0.20	0.0090	<0.20	-0.0090	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA23420 Units: ug/l

Time:			17:07		17:22		17:37		17:53	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.049	-0.0090	<0.20	0.014	<0.20	-0.0080	<0.20	0.0080	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23420 Units: ug/l

Time:		16:17			16:19			16:34	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23420 Units: ug/l

Time:		16:51			17:06			17:20	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23420 Units: ug/l

Time:		17:36			17:51	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.2.2
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11107S2.PRN Date Analyzed: 11/07/09 Methods: SW846 7471A
QC Limits: 50 to 150 % Recovery Run ID: MA23420 Units: ug/l

Time:			16:21	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.20	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3

8

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:56	MA23427-STD1	1		STDA
09:02	MA23427-STD2	1		STDB
09:08	MA23427-STD3	1		STDC
09:15	MA23427-STD4	1		STDD
09:21	MA23427-STD5	1		STDE
09:27	MA23427-STD6	1		STDF
09:34	MA23427-STD7	1		STDG
09:40	MA23427-STD8	1		STDH
09:46	MA23427-STD9	1		STDI
10:00	MA23427-HSTD1	1		
10:11	MA23427-CRIB1	1		
10:18	MA23427-CRID1	1		
10:24	MA23427-ICV1	1		
10:31	MA23427-ICB1	1		
10:38	MA23427-ICCV1	1		
10:45	MA23427-CCB1	1		
10:54	MA23427-ICSA1	1		
11:00	MA23427-ICSAB1	1		
11:06	MA23427-CCV1	1		
11:13	MA23427-CCB2	1		
11:19	MP50434-MB1	1		
11:26	MP50434-LC1	1		
11:32	MP50434-S1	1		Ca=450ppm. Rerun for interference
11:38	MP50434-S2	1		Ca=450ppm. Rerun for interference
11:44	JA32158-4	1		(sample used for QC only; not part of login JA31420)
11:50	MP50434-SD1	5		Ca=450ppm. Rerun for interference
11:56	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:21	MA23427-CCV2	1		
12:27	MA23427-CCB3	1		
12:33	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:39	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:10	MP50416-S2	3		
13:16	ZZZZZZ	1		
13:22	ZZZZZZ	3		
13:28	ZZZZZZ	2		
13:34	MA23427-CCV3	1		
13:41	MA23427-CCB4	1		
13:47	ZZZZZZ	2		
13:53	ZZZZZZ	2		
13:59	ZZZZZZ	2		
14:05	ZZZZZZ	2		
14:12	ZZZZZZ	2		
14:18	ZZZZZZ	2		
14:24	ZZZZZZ	2		
14:30	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:48	MA23427-CCV4	1		
14:55	MA23427-CCB5	1		
15:01	ZZZZZZ	10		
15:07	MP50431-MB1	1		
15:13	ZZZZZZ	5		
15:19	ZZZZZZ	1		
15:25	ZZZZZZ	5		
15:31	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:50	ZZZZZZ	3		
15:56	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:02	MA23427-CCV5	1		
16:08	MA23427-CCB6	1		
16:15	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:33	ZZZZZZ	5		
16:39	MP50431-MB1	5		
16:45	ZZZZZZ	5		
16:51	ZZZZZZ	1		
16:58	ZZZZZZ	5		
17:04	ZZZZZZ	2		
17:10	MA23427-CCV6	1		
17:16	MA23427-CCB7	1		
17:22	MA23427-ICSA2	1		
17:29	MA23427-ICSAB2	1		
17:35	MA23427-CCV7	1		
17:41	MA23427-CCB8	1		
17:48	ZZZZZZ	1		
17:54	ZZZZZZ	2		
18:00	ZZZZZZ	2		
18:06	ZZZZZZ	2		
18:12	ZZZZZZ	2		
18:18	ZZZZZZ	2		
18:24	ZZZZZZ	1		
18:31	MA23427-CCV8	1		
18:37	MA23427-CCB9	1		
18:43	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:14	JA31420-26	1		
---------->	Last reportable sample/prep for job JA31420			
19:20	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:26	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:38	MA23427-CCV9	1		
19:45	MA23427-CCB10	1		
19:51	ZZZZZZ	1		
19:57	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:16	ZZZZZZ	10		
20:22	ZZZZZZ	1		
20:28	MA23427-CCV10	1		
20:34	MA23427-CCB11	1		
20:40	MA23427-ICSA3	1		
20:47	MA23427-ICSAB3	1		
20:53	MA23427-CCV11	1		
20:59	MA23427-CCB12	1		
---------->	Last reportable CCB for job JA31420			
07:54	ZZZZZZ	1		
08:09	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
08:56	MA23427-STD1	58471 R
09:02	MA23427-STD2	58017
09:08	MA23427-STD3	57994
09:15	MA23427-STD4	57815
09:21	MA23427-STD5	57783
09:27	MA23427-STD6	57355
09:34	MA23427-STD7	57163
09:40	MA23427-STD8	55891
09:46	MA23427-STD9	56680
10:00	MA23427-HSTD1	56491
10:11	MA23427-CRIB1	56386
10:18	MA23427-CRID1	57714
10:24	MA23427-ICV1	57538
10:31	MA23427-ICB1	57377
10:38	MA23427-ICCV1	56761
10:45	MA23427-CCB1	57403
10:54	MA23427-ICSA1	53552
11:00	MA23427-ICSAB1	53425
11:06	MA23427-CCV1	57302
11:13	MA23427-CCB2	57753
11:19	MP50434-MB1	57937
11:26	MP50434-LC1	55538
11:32	MP50434-S1	52075
11:38	MP50434-S2	52410
11:44	JA32158-4	52303
11:50	MP50434-SD1	56431
11:56	ZZZZZZ	50173
12:02	ZZZZZZ	47318
12:08	ZZZZZZ	53476
12:15	ZZZZZZ	52388
12:21	MA23427-CCV2	57635
12:27	MA23427-CCB3	57473
12:33	ZZZZZZ	53278

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
12:39	ZZZZZZ	53075
12:45	ZZZZZZ	52068
12:52	ZZZZZZ	53434
12:58	ZZZZZZ	52575
13:04	ZZZZZZ	60454
13:10	MP50416-S2	58341
13:16	ZZZZZZ	62665
13:22	ZZZZZZ	58021
13:28	ZZZZZZ	58500
13:34	MA23427-CCV3	57380
13:41	MA23427-CCB4	57937
13:47	ZZZZZZ	61140
13:53	ZZZZZZ	64579
13:59	ZZZZZZ	64266
14:05	ZZZZZZ	63984
14:12	ZZZZZZ	64086
14:18	ZZZZZZ	57343
14:24	ZZZZZZ	57671
14:30	ZZZZZZ	55422
14:36	ZZZZZZ	55887
14:42	ZZZZZZ	57021
14:48	MA23427-CCV4	57101
14:55	MA23427-CCB5	57520
15:01	ZZZZZZ	59296
15:07	MP50431-MB1	57531
15:13	ZZZZZZ	60792
15:19	ZZZZZZ	54792
15:25	ZZZZZZ	55741
15:31	ZZZZZZ	57429
15:38	ZZZZZZ	65001
15:44	ZZZZZZ	65065
15:50	ZZZZZZ	55499
15:56	ZZZZZZ	62152

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
16:02	MA23427-CCV5	55909
16:08	MA23427-CCB6	56489
16:15	ZZZZZZ	67946
16:21	ZZZZZZ	59409
16:27	ZZZZZZ	55738
16:33	ZZZZZZ	55922
16:39	MP50431-MB1	58808
16:45	ZZZZZZ	59068
16:51	ZZZZZZ	55044
16:58	ZZZZZZ	57639
17:04	ZZZZZZ	55832
17:10	MA23427-CCV6	56170
17:16	MA23427-CCB7	56736
17:22	MA23427-ICSA2	52781
17:29	MA23427-ICSAB2	52489
17:35	MA23427-CCV7	56123
17:41	MA23427-CCB8	56592
17:48	ZZZZZZ	56740
17:54	ZZZZZZ	58707
18:00	ZZZZZZ	57937
18:06	ZZZZZZ	59109
18:12	ZZZZZZ	58111
18:18	ZZZZZZ	57346
18:24	ZZZZZZ	56178
18:31	MA23427-CCV8	56301
18:37	MA23427-CCB9	57013
18:43	ZZZZZZ	55634
18:49	ZZZZZZ	52550
18:55	ZZZZZZ	53448
19:02	ZZZZZZ	53232
19:08	ZZZZZZ	56315
19:14	JA31420-26	56849
19:20	ZZZZZZ	53904

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23427
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
19:26	ZZZZZZ	56562
19:32	ZZZZZZ	55576
19:38	MA23427-CCV9	56978
19:45	MA23427-CCB10	57120
19:51	ZZZZZZ	45814
19:57	ZZZZZZ	54829
20:03	ZZZZZZ	56121
20:09	ZZZZZZ	56609
20:16	ZZZZZZ	56627
20:22	ZZZZZZ	56839
20:28	MA23427-CCV10	56969
20:34	MA23427-CCB11	57139
20:40	MA23427-ICSA3	53517
20:47	MA23427-ICSAB3	53415
20:53	MA23427-CCV11	57073
20:59	MA23427-CCB12	57133
07:54	ZZZZZZ	56114
08:09	ZZZZZZ	55668

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23427 Units: ug/l

Time:			10:31		10:45		11:13		12:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	-10	<200	-9.2	<200	19.5	<200	-5.8	<200
Antimony	6.0	3.1	-0.28	<6.0	-0.61	<6.0	-0.12	<6.0	-1.2	<6.0
Arsenic	8.0	2.4	-1.8	<8.0	0.56	<8.0	0.43	<8.0	0.86	<8.0
Barium	200	1.4	0.018	<200	0.12	<200	0.23	<200	0.16	<200
Beryllium	1.0	.09	-0.025	<1.0	0.12	<1.0	0.18	<1.0	0.13	<1.0
Cadmium	3.0	.4	-0.40	<3.0	0.19	<3.0	-0.036	<3.0	-0.41	<3.0
Calcium	5000	27	-3.3	<5000	1.2	<5000	24.3	<5000	21.2	<5000
Chromium	10	1.3	-0.32	<10	0.030	<10	0.084	<10	0.15	<10
Cobalt	50	.8	-0.39	<50	-0.55	<50	-0.73	<50	-0.66	<50
Copper	10	1.1	0.056	<10	-0.056	<10	0.025	<10	0.12	<10
Iron	100	19	0.0052	<100	-0.38	<100	-2.6	<100	-4.0	<100
Lead	3.0	2.7	-0.029	<3.0	1.6	<3.0	-0.83	<3.0	-0.35	<3.0
Magnesium	5000	31	0.028	<5000	-2.9	<5000	39.2	<5000	8.2	<5000
Manganese	15	.3	0.020	<15	0.26	<15	0.33	<15	0.15	<15
Molybdenum	20	1.1								
Nickel	10	1.5	-1.5	<10	-0.58	<10	-0.66	<10	-1.2	<10
Palladium	50	4.6								
Potassium	10000	24	820	<10000	825	<10000	813	<10000	844	<10000
Selenium	10	5.4	-1.1	<10	1.1	<10	-0.42	<10	0.048	<10
Silicon	200	11								
Silver	10	1.2	-0.13	<10	-0.45	<10	0.054	<10	0.079	<10
Sodium	10000	200	451	<10000	300	<10000	366	<10000	484	<10000
Thallium	10	3.9	4.5	<10	1.9	<10	-1.8	<10	1.2	<10
Tin	10	3.6								
Vanadium	50	1.4	0.19	<50	0.26	<50	-0.13	<50	0.14	<50
Zinc	20	1.2	-0.19	<20	0.82	<20	0.58	<20	-0.032	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23427 Units: ug/l

Time:			13:41		14:55		16:08		17:16	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	-5.2	<200	-7.5	<200	-2.0	<200	-14	<200
Antimony	6.0	3.1	-1.6	<6.0	0.011	<6.0	-0.37	<6.0	0.98	<6.0
Arsenic	8.0	2.4	1.2	<8.0	-1.9	<8.0	2.2	<8.0	-0.64	<8.0
Barium	200	1.4	0.46	<200	0.52	<200	0.30	<200	1.1	<200
Beryllium	1.0	.09	0.093	<1.0	0.11	<1.0	0.12	<1.0	0.14	<1.0
Cadmium	3.0	.4	-0.0020	<3.0	-0.035	<3.0	0.057	<3.0	-0.044	<3.0
Calcium	5000	27	18.7	<5000	13.2	<5000	12.1	<5000	1.9	<5000
Chromium	10	1.3	0.38	<10	0.044	<10	-0.48	<10	-0.38	<10
Cobalt	50	.8	-0.30	<50	-1.0	<50	-0.38	<50	-0.43	<50
Copper	10	1.1	0.16	<10	0.57	<10	0.47	<10	0.47	<10
Iron	100	19	12.2	<100	17.2	<100	22.7	<100	11.1	<100
Lead	3.0	2.7	0.82	<3.0	1.1	<3.0	-0.65	<3.0	0.37	<3.0
Magnesium	5000	31	5.0	<5000	2.2	<5000	8.7	<5000	-0.38	<5000
Manganese	15	.3	0.35	<15	0.35	<15	0.36	<15	0.19	<15
Molybdenum	20	1.1								
Nickel	10	1.5	-1.7	<10	-1.5	<10	-1.1	<10	-0.73	<10
Palladium	50	4.6								
Potassium	10000	24	810	<10000	814	<10000	844	<10000	835	<10000
Selenium	10	5.4	-0.24	<10	-0.0072	<10	-1.1	<10	0.19	<10
Silicon	200	11								
Silver	10	1.2	0.14	<10	-0.081	<10	0.24	<10	0.59	<10
Sodium	10000	200	421	<10000	429	<10000	417	<10000	367	<10000
Thallium	10	3.9	1.5	<10	2.9	<10	-1.0	<10	3.2	<10
Tin	10	3.6								
Vanadium	50	1.4	0.085	<50	0.0095	<50	0.23	<50	0.47	<50
Zinc	20	1.2	0.69	<20	0.55	<20	0.70	<20	0.57	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23427 Units: ug/l

Time:			17:41		18:37		19:45		20:34	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	21.8	<200	-11	<200	-14	<200	-17	<200
Antimony	6.0	3.1	0.62	<6.0	-1.7	<6.0	-0.22	<6.0	-0.20	<6.0
Arsenic	8.0	2.4	-0.27	<8.0	-1.4	<8.0	-1.1	<8.0	0.16	<8.0
Barium	200	1.4	0.55	<200	0.22	<200	0.23	<200	0.11	<200
Beryllium	1.0	.09	0.23	<1.0	0.11	<1.0	0.098	<1.0	0.054	<1.0
Cadmium	3.0	.4	0.38	<3.0	0.066	<3.0	0.087	<3.0	-0.10	<3.0
Calcium	5000	27	30.6	<5000	0.45	<5000	9.2	<5000	3.4	<5000
Chromium	10	1.3	-0.16	<10	-0.83	<10	-0.67	<10	-0.56	<10
Cobalt	50	.8	0.0076	<50	-0.75	<50	-0.69	<50	-0.98	<50
Copper	10	1.1	0.37	<10	0.055	<10	0.37	<10	0.17	<10
Iron	100	19	20.4	<100	18.4	<100	-1.5	<100	2.3	<100
Lead	3.0	2.7	-1.2	<3.0	1.4	<3.0	-0.91	<3.0	-1.0	<3.0
Magnesium	5000	31	39.6	<5000	1.8	<5000	9.0	<5000	2.7	<5000
Manganese	15	.3	0.25	<15	0.21	<15	0.33	<15	0.12	<15
Molybdenum	20	1.1								
Nickel	10	1.5	-0.99	<10	-1.9	<10	-0.89	<10	-1.1	<10
Palladium	50	4.6								
Potassium	10000	24	834	<10000	822	<10000	823	<10000	827	<10000
Selenium	10	5.4	0.81	<10	0.68	<10	0.21	<10	-0.036	<10
Silicon	200	11								
Silver	10	1.2	0.42	<10	0.38	<10	0.50	<10	-0.084	<10
Sodium	10000	200	457	<10000	355	<10000	377	<10000	364	<10000
Thallium	10	3.9	0.90	<10	4.7	<10	3.0	<10	0.22	<10
Tin	10	3.6								
Vanadium	50	1.4	0.47	<50	0.12	<50	0.085	<50	-0.10	<50
Zinc	20	1.2	0.69	<20	0.15	<20	0.067	<20	-0.094	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23427 Units: ug/l

Time:			20:59	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	200	25	14.8	<200
Antimony	6.0	3.1	3.0	<6.0
Arsenic	8.0	2.4	-0.46	<8.0
Barium	200	1.4	0.23	<200
Beryllium	1.0	.09	0.12	<1.0
Cadmium	3.0	.4	-0.14	<3.0
Calcium	5000	27	26.3	<5000
Chromium	10	1.3	0.079	<10
Cobalt	50	.8	-0.55	<50
Copper	10	1.1	0.74	<10
Iron	100	19	22.5	<100
Lead	3.0	2.7	2.0	<3.0
Magnesium	5000	31	33.0	<5000
Manganese	15	.3	0.17	<15
Molybdenum	20	1.1		
Nickel	10	1.5	-1.2	<10
Palladium	50	4.6		
Potassium	10000	24	825	<10000
Selenium	10	5.4	-1.1	<10
Silicon	200	11		
Silver	10	1.2	0.59	<10
Sodium	10000	200	460	<10000
Thallium	10	3.9	5.1	<10
Tin	10	3.6		
Vanadium	50	1.4	0.79	<50
Zinc	20	1.2	0.51	<20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		10:38	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	38200	95.5
Antimony	2000	2020	101.0
Arsenic	2000	2040	102.0
Barium	2000	2040	102.0
Beryllium	2000	2000	100.0
Cadmium	2000	1990	99.5
Calcium	40000	38700	96.8
Chromium	2000	1980	99.0
Cobalt	2000	2000	100.0
Copper	2000	2020	101.0
Iron	40000	39000	97.5
Lead	2000	2010	100.5
Magnesium	40000	39600	99.0
Manganese	2000	2000	100.0
Molybdenum			
Nickel	2000	2000	100.0
Palladium			
Potassium	40000	38400	96.0
Selenium	2000	2040	102.0
Silicon			
Silver	250	255	102.0
Sodium	40000	37600	94.0*(a)
Thallium	2000	2020	101.0
Tin			
Vanadium	2000	1970	98.5
Zinc	2000	1950	97.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		10:24			11:06			12:21	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	5000	4670	93.4*(a)	40000	37800	94.5	40000	38000	95.0
Antimony	1000	1010	101.0	2000	2010	100.5	2000	2010	100.5
Arsenic	1000	1020	102.0	2000	2030	101.5	2000	2030	101.5
Barium	1000	1020	102.0	2000	2020	101.0	2000	2020	101.0
Beryllium	1000	1020	102.0	2000	1990	99.5	2000	1990	99.5
Cadmium	1000	1000	100.0	2000	1970	98.5	2000	1980	99.0
Calcium	5000	4930	98.6	40000	38400	96.0	40000	38300	95.8
Chromium	1000	1020	102.0	2000	1970	98.5	2000	1970	98.5
Cobalt	1000	1010	101.0	2000	1990	99.5	2000	1980	99.0
Copper	1000	1020	102.0	2000	2000	100.0	2000	2000	100.0
Iron	5000	5050	101.0	40000	38700	96.8	40000	38700	96.8
Lead	1000	1020	102.0	2000	1990	99.5	2000	1990	99.5
Magnesium	5000	4870	97.4	40000	39400	98.5	40000	39500	98.8
Manganese	1000	1020	102.0	2000	1980	99.0	2000	1980	99.0
Molybdenum									
Nickel	1000	1020	102.0	2000	1990	99.5	2000	1990	99.5
Palladium									
Potassium	10000	9740	97.4	40000	38200	95.5	40000	38300	95.8
Selenium	1000	1020	102.0	2000	2030	101.5	2000	2020	101.0
Silicon									
Silver	500	513	102.6	250	254	101.6	250	253	101.2
Sodium	10000	9210	92.1*(a)	40000	37200	93.0	40000	37400	93.5
Thallium	1000	1010	101.0	2000	2010	100.5	2000	2020	101.0
Tin									
Vanadium	1000	982	98.2	2000	1960	98.0	2000	1960	98.0
Zinc	1000	1010	101.0	2000	1940	97.0	2000	1940	97.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		13:34			14:48			16:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	38200	95.5	40000	38500	96.3
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2050	102.5
Arsenic	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Barium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Cadmium	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Calcium	40000	38700	96.8	40000	38800	97.0	40000	39000	97.5
Chromium	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Cobalt	2000	2010	100.5	2000	2020	101.0	2000	2030	101.5
Copper	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Iron	40000	39100	97.8	40000	39000	97.5	40000	39100	97.8
Lead	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Magnesium	40000	39800	99.5	40000	39500	98.8	40000	39700	99.3
Manganese	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Palladium									
Potassium	40000	38700	96.8	40000	38600	96.5	40000	38900	97.3
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Silicon									
Silver	250	256	102.4	250	256	102.4	250	258	103.2
Sodium	40000	37600	94.0	40000	37700	94.3	40000	37900	94.8
Thallium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Tin									
Vanadium	2000	1980	99.0	2000	1960	98.0	2000	1970	98.5
Zinc	2000	1960	98.0	2000	1950	97.5	2000	1950	97.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		17:10			17:35			18:31	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38200	95.5	40000	38300	95.8	40000	38200	95.5
Antimony	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Barium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Beryllium	2000	2000	100.0	2000	2010	100.5	2000	1990	99.5
Cadmium	2000	1970	98.5	2000	1980	99.0	2000	1960	98.0
Calcium	40000	38700	96.8	40000	38700	96.8	40000	38600	96.5
Chromium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Cobalt	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0
Copper	2000	2020	101.0	2000	2030	101.5	2000	2020	101.0
Iron	40000	38800	97.0	40000	39000	97.5	40000	38800	97.0
Lead	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Magnesium	40000	39400	98.5	40000	39500	98.8	40000	39300	98.3
Manganese	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Molybdenum									
Nickel	2000	1990	99.5	2000	1990	99.5	2000	1980	99.0
Palladium									
Potassium	40000	38700	96.8	40000	38800	97.0	40000	38600	96.5
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Silicon									
Silver	250	256	102.4	250	258	103.2	250	256	102.4
Sodium	40000	37700	94.3	40000	37800	94.5	40000	37600	94.0
Thallium	2000	2000	100.0	2000	2020	101.0	2000	2000	100.0
Tin									
Vanadium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Zinc	2000	1930	96.5	2000	1930	96.5	2000	1920	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		19:38			20:28			20:53	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38300	95.8	40000	38200	95.5	40000	38300	95.8
Antimony	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Barium	2000	2040	102.0	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Cadmium	2000	1970	98.5	2000	1970	98.5	2000	1980	99.0
Calcium	40000	38700	96.8	40000	38700	96.8	40000	38800	97.0
Chromium	2000	1990	99.5	2000	1980	99.0	2000	1990	99.5
Cobalt	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Copper	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Iron	40000	38900	97.3	40000	38900	97.3	40000	39000	97.5
Lead	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Magnesium	40000	39500	98.8	40000	39400	98.5	40000	39500	98.8
Manganese	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5
Molybdenum									
Nickel	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0
Palladium									
Potassium	40000	38600	96.5	40000	38600	96.5	40000	38700	96.8
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Silicon									
Silver	250	256	102.4	250	255	102.0	250	257	102.8
Sodium	40000	37600	94.0	40000	37600	94.0	40000	37600	94.0
Thallium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Tin									
Vanadium	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Zinc	2000	1940	97.0	2000	1940	97.0	2000	1940	97.0

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23427 Units: ug/l

Time:		10:00	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	78800	98.5
Antimony	4000	4100	102.5
Arsenic	4000	4100	102.5
Barium	4000	4050	101.3
Beryllium	4000	3990	99.8
Cadmium	4000	3960	99.0
Calcium	80000	78000	97.5
Chromium	4000	3960	99.0
Cobalt	4000	3990	99.8
Copper	4000	4080	102.0
Iron	80000	78400	98.0
Lead	4000	4030	100.8
Magnesium	80000	81200	101.5
Manganese	4000	3980	99.5
Molybdenum			
Nickel	4000	3970	99.3
Palladium			
Potassium	80000	79700	99.6
Selenium	4000	4150	103.8
Silicon			
Silver	500	507	101.4
Sodium	80000	82800	103.5
Thallium	4000	4070	101.8
Tin			
Vanadium	4000	4060	101.5
Zinc	4000	3910	97.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23427 Units: ug/l

Time:				10:18	
Sample ID:	CRI	CRIA	CRID	CRID1	
Metal	True	True	True	Results	% Rec
Aluminum			100	83.3	83.3
Antimony	120		3.0	3.4	113.3
Arsenic	20	3.0	3.0		
Barium	400		4.0	3.9	97.5
Beryllium	10	1.0	1.0	0.96	96.0
Cadmium	10		1.0	0.76	76.0
Calcium			1000	967	96.7
Chromium	20		2.0	1.5	75.0
Cobalt	100		3.0	1.5	50.0
Copper	50		2.0	2.1	105.0
Iron					
Lead	6.0		2.5		
Magnesium			100	90.7	90.7
Manganese	30		3.0	3.1	103.3
Molybdenum	40				
Nickel	80		4.0	2.9	72.5
Palladium	100				
Potassium			2000	2540	127.0
Selenium	10		5.0	4.7	94.0
Silicon					
Silver	20		1.0	1.0	100.0
Sodium			1000		
Thallium	20	2.0	2.0		
Tin					
Vanadium	100		2.0	2.7	135.0
Zinc	40		10	11.3	113.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23427 Units: ug/l

Time:		10:11	
Sample ID:	CRIB	CRIB1	
Metal	True	Results	% Rec
Aluminum	200	194	97.0
Antimony	6.0	7.3	121.7
Arsenic	8.0	8.4	105.0
Barium	200	212	106.0
Beryllium	5.0	5.7	114.0
Cadmium	3.0	3.5	116.7
Calcium	5000	5180	103.6
Chromium	10	10.8	108.0
Cobalt	50	53.9	107.8
Copper	10	11.2	112.0
Iron	100	138	138.0
Lead	3.0	3.6	120.0
Magnesium	5000	5100	102.0
Manganese	15	17.1	114.0
Molybdenum	20		
Nickel	10	10.4	104.0
Palladium	50		
Potassium	10000	10200	102.0
Selenium	10	11.1	111.0
Silicon	200		
Silver	10	10.6	106.0
Sodium	10000	10300	103.0
Thallium	10	10.9	109.0
Tin	10		
Vanadium	50	54.6	109.2
Zinc	20	23.9	119.5

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23427 Units: ug/l

Time:			10:54		11:00		17:22		17:29	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	489000	97.8	494000	98.8	489000	97.8	495000	99.0
Antimony		1000	1.0		1100	110.0	10.8		1100	110.0
Arsenic		1000	-1.0		1060	106.0	-4.9		1040	104.0
Barium		500	5.2		532	106.4	6.0		533	106.6
Beryllium		500	-0.066		504	100.8	-0.11		503	100.6
Cadmium		1000	2.1		992	99.2	1.8		980	98.0
Calcium	400000	400000	366000	91.5	369000	92.3	364000	91.0	369000	92.3
Chromium		500	4.6		495	99.0	4.3		494	98.8
Cobalt		500	-4.2		496	99.2	-3.9		498	99.6
Copper		500	-0.86		518	103.6	-0.64		520	104.0
Iron	200000	200000	197000	98.5	194000	97.0	195000	97.5	193000	96.5
Lead		1000	5.2		1030	103.0	1.7		1020	102.0
Magnesium	500000	500000	512000	102.4	516000	103.2	506000	101.2	513000	102.6
Manganese		500	2.2		504	100.8	2.1		504	100.8
Molybdenum		500	1.9		511	102.2	3.0		509	101.8
Nickel		1000	0.70		972	97.2	1.5		965	96.5
Palladium		500	-4.2		540	108.0	-6.0		542	108.4
Potassium			1090		1150		1110		1180	
Selenium		1000	-2.9		1050	105.0	-4.9		1040	104.0
Silicon			-46		-49		-48		-47	
Silver		1000	0.048		1000	100.0	-0.44		1000	100.0
Sodium			200		409		184		415	
Thallium		1000	5.9		1030	103.0	6.1		1030	103.0
Tin			-5.7		-7.4		-5.8		-4.1	
Vanadium		500	-0.040		497	99.4	0.78		497	99.4
Zinc		1000	1.3		951	95.1	1.1		941	94.1

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110809M1.DAT Date Analyzed: 11/08/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23427 Units: ug/l

Time:			20:40		20:47	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	488000	97.6	492000	98.4
Antimony		1000	3.0		1090	109.0
Arsenic		1000	-8.5		1040	104.0
Barium		500	5.3		531	106.2
Beryllium		500	-0.096		501	100.2
Cadmium		1000	1.7		980	98.0
Calcium	400000	400000	364000	91.0	368000	92.0
Chromium		500	4.6		493	98.6
Cobalt		500	-3.8		497	99.4
Copper		500	-0.62		518	103.6
Iron	200000	200000	195000	97.5	193000	96.5
Lead		1000	3.8		1020	102.0
Magnesium	500000	500000	506000	101.2	510000	102.0
Manganese		500	2.2		503	100.6
Molybdenum		500	1.6		508	101.6
Nickel		1000	0.30		962	96.2
Palladium		500	-4.6		539	107.8
Potassium			1090		1140	
Selenium		1000	-2.1		1030	103.0
Silicon			-47		-48	
Silver		1000	0.24		998	99.8
Sodium			89.7		411	
Thallium		1000	5.3		1020	102.0
Tin			-6.6		-5.2	
Vanadium		500	0.68		493	98.6
Zinc		1000	1.2		942	94.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
Analyst: RP Run ID: MA23430
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:30	MA23430-STD1	1		R=0.999942, B=2.07169e-4, C=-4.71925e-2.
14:31	MA23430-STD2	1		STD02REP1
14:32	MA23430-STD3	1		STD03REP1
14:33	MA23430-STD4	1		STD04REP1
14:34	MA23430-STD5	1		STD05REP1
14:36	MA23430-STD6	1		STD06REP1
14:46	MA23430-ICV1	1		
14:47	MA23430-ICB1	1		
14:48	MA23430-CCV1	1		
14:49	MA23430-CCB1	1		
14:50	MA23430-CRI1	1		
14:52	MP50457-MB1	1		
14:53	MP50457-LC1	1		
14:54	MP50457-S1	1		
14:55	MP50457-S2	1		
14:56	JA32059-6	1		(sample used for QC only; not part of login JA31420)
14:57	ZZZZZZ	1		
14:58	ZZZZZZ	1		
14:59	JA31420-11	1		
15:00	JA31420-12	1		
15:02	MA23430-CCV2	1		
15:03	MA23430-CCB2	1		
15:04	JA31420-13	1		
15:06	JA31420-14	1		
15:07	JA31420-15	1		
15:08	JA31420-16	1		
15:09	JA31420-17	1		
15:11	JA31420-18	1		
15:12	JA31420-19	1		
15:14	JA31420-20	1		
15:15	JA31420-21	1		
15:16	JA31420-22	1		
15:17	MA23430-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
Analyst: RP Run ID: MA23430
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:19	MA23430-CCB3	1		
	15:23	JA31420-23	1		
	15:24	JA31420-24	1		
	15:25	JA31420-25	1		
---------->	Last reportable sample/prep for job JA31420				
	15:26	ZZZZZZ	1		
	15:28	ZZZZZZ	1		
	15:29	MP50458-MB1	1		
	15:30	MP50458-LC1	1		
	15:31	MP50458-S1	1		
	15:32	MP50458-S2	1		
	15:33	ZZZZZZ	1		
	15:35	MA23430-CCV4	1		
	15:37	MA23430-CCB4	1		
	15:38	ZZZZZZ	1		
	15:39	ZZZZZZ	1		
	15:41	ZZZZZZ	1		
	15:42	ZZZZZZ	1		
	15:43	ZZZZZZ	1		
	15:44	ZZZZZZ	1		
	15:46	ZZZZZZ	1		
	15:47	ZZZZZZ	1		
	15:48	ZZZZZZ	1		
	15:50	ZZZZZZ	1		
	15:51	MA23430-CCV5	1		
	15:52	MA23430-CCB5	1		
	15:53	ZZZZZZ	1		
	15:55	JA31472-15	1		(sample used for QC only; not part of login JA31420)
	15:56	ZZZZZZ	1		
	15:57	ZZZZZZ	1		
	15:59	ZZZZZZ	1		
	16:00	ZZZZZZ	1		
	16:01	ZZZZZZ	1		
	16:02	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
Analyst: RP Run ID: MA23430
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:03	ZZZZZZ	1		
16:04	MA23430-CCV6	1		
16:05	MA23430-CCB6	1		
16:07	MP50438-MB2	1		
16:08	MP50438-LC2	1		
16:09	MP50438-S1	1		Overrange.
16:10	MP50438-S2	1		Overrange.
16:12	JA31372-11	1		(sample used for QC only; not part of login JA31420)
16:13	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:17	MA23430-CCV7	1		
16:19	MA23430-CCB7	1		
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:29	MA23430-CCV8	1		
16:30	MA23430-CCB8	1		
16:40	MP50438-S1	2		
16:41	MP50438-S2	2		
16:42	JA31372-11	2		(sample used for QC only; not part of login JA31420)
16:43	ZZZZZZ	5		
16:44	MA23430-CCV9	1		
16:46	MA23430-CCB9	1		
17:57	ZZZZZZ	1		
17:59	MA23430-CCV10	1		
18:00	MA23430-CCB10	1		
18:01	MA23430-CRI2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
Analyst: RP Run ID: MA23430
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:02	MA23430-CCV11	1		
18:03	MA23430-CCB11	1		

----------> Last reportable CCB for job JA31420
Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA23430 Units: ug/l

Time:			14:47		14:49		15:03		15:19	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.049	-0.0060	<0.20	-0.022	<0.20	-0.014	<0.20	-0.012	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA23430 Units: ug/l

Time:			15:37		15:52		16:05		16:19	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.049	0.0020	<0.20	-0.011	<0.20	-0.021	<0.20	-0.030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: result < RL Run ID: MA23430 Units: ug/l

Time:			16:30		16:46		18:00		18:03	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.049	-0.021	<0.20	-0.012	<0.20	-0.0060	<0.20	-0.018	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

8.4.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23430 Units: ug/l

Time:		14:46			14:48			15:02	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	2.9	96.7	2.5	2.5	100.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

8.4.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23430 Units: ug/l

Time:		15:17			15:35			15:51	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23430 Units: ug/l

Time:		16:04			16:17			16:29	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.4	96.0	2.5	2.4	96.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

8.4.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: 90 to 110 % Recovery Run ID: MA23430 Units: ug/l

Time:		16:44			17:59			18:02	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: H11109S1.PRN Date Analyzed: 11/09/09 Methods: SW846 7471A
QC Limits: 50 to 150 % Recovery Run ID: MA23430 Units: ug/l

Time:			14:50		18:01	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.19	95.0	0.22	110.0

(*) Outside of QC limits
(anr) Analyte not requested

8.4.3

8

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:21	MA23433-STD1	1		STDA
09:27	MA23433-STD2	1		STDB
09:34	MA23433-STD3	1		STDC
09:40	MA23433-STD4	1		STDD
09:46	MA23433-STD5	1		STDE
09:52	MA23433-STD6	1		STDF
09:59	MA23433-STD7	1		STDG
10:05	MA23433-STD8	1		STDH
10:11	MA23433-STD9	1		STDI
10:19	MA23433-HSTD1	1		
10:32	MA23433-CRIB1	1		
10:57	MA23433-CRID1	1		
11:09	MA23433-ICV1	1		
11:21	MA23433-ICB1	1		
11:29	MA23433-ICB2	1		
11:47	MA23433-ICCV1	1		
11:54	MA23433-CCB1	1		
12:02	MA23433-ICSA1	1		
12:08	MA23433-ICSAB1	1		
12:14	MA23433-CCV1	1		
12:21	MA23433-CCB2	1		
12:27	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:44	MP50426-B1	1		Batch to rerun for Cd, spk blank out
12:50	MP50426-LC1	1		
12:56	MP50426-S1	1		Tl hit
13:03	MP50426-S2	1		Tl hit
13:09	JA31372-11	1		(sample used for QC only; not part of login JA31420)
13:14	MP50426-SD1	5		Tl hit
13:24	MA23433-CCV2	1		
13:30	MA23433-CCB3	1		
13:38	MP50426-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:45	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:20	MA23433-CCV3	1		
14:26	MA23433-CCB4	1		
14:33	ZZZZZZ	1		
14:39	MP50434-S1	2		Exceeds 10% frequency
14:45	MP50434-S2	2		Exceeds 10% frequency
14:51	JA32158-4	2		(sample used for QC only; not part of login JA31420)
14:57	MP50434-SD1	10		Exceeds 10% frequency
15:03	ZZZZZZ	1		Exceeds 10% frequency
15:09	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:40	MA23433-CCV4	1		
15:46	MA23433-CCB5	1		
15:53	MP50451-MB1	1		
15:59	MP50451-LC1	1		
16:04	MP50451-S1	1		
16:10	MP50451-S2	1		
16:16	JA32313-2	1		(sample used for QC only; not part of login JA31420)
16:20	MP50451-SD1	5		
16:26	ZZZZZZ	1		
16:32	MA23433-CRIB2	1		
16:38	MA23433-CRID2	1		
16:45	MA23433-CCV5	1		
16:51	MA23433-CCB6	1		
16:57	MA23433-ICSA2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:04	MA23433-ICSAB2	1		
17:10	MA23433-CCV6	1		
17:16	MA23433-CCB7	1		
17:24	ZZZZZZ	1		
17:30	MP50434-S1	2		
17:36	MP50434-S2	2		
17:42	JA32158-4	2		(sample used for QC only; not part of login JA31420)
17:49	MP50434-SD1	10		
17:55	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:07	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:25	MA23433-CCV7	1		
18:32	MA23433-CCB8	1		
18:38	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:56	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:15	ZZZZZZ	2		
19:21	MP50415-LC1	1		
19:27	ZZZZZZ	1		
19:33	MP50450-MB1	1		
19:39	MA23433-CCV8	1		
19:45	MA23433-CCB9	1		
19:52	MP50450-B1	1		
19:58	MP50450-LC1	1		
20:04	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:16	ZZZZZZ	2		
20:22	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:28	ZZZZZZ	2		
20:34	MP50419-S1	2		
20:41	MP50419-S2	1		
20:47	MA23433-CCV9	1		
20:53	MA23433-CCB10	1		
20:59	MP50447-MB1	1		
21:05	MP50447-B1	1		
21:12	MP50447-S1	1		
21:18	MP50447-S2	1		
21:24	JA31420-1	1		
21:30	MP50447-SD1	5		
21:36	JA31420-2	1		
21:42	JA31420-3	1		
21:48	JA31420-4	1		
21:54	JA31420-5	1		
22:01	MA23433-CCV10	1		
22:07	MA23433-CCB11	1		
22:13	JA31420-6	1		Tl hit
22:19	JA31420-7	1		Tl hit
22:26	JA31420-8	1		Tl hit
22:32	JA31420-9	1		
22:38	JA31420-10	1		Tl hit
22:44	JA31420-11	1		Tl hit
22:50	JA31420-12	1		Tl hit
22:56	JA31420-13	1		
23:02	JA31420-14	1		Fe=475ppm. Tl hit
23:08	JA31420-15	1		Tl hit
23:15	MA23433-CCV11	1		
23:21	MA23433-CCB12	1		
23:27	JA31420-16	1		
23:33	JA31420-17	1		
23:39	JA31420-18	1		
23:46	JA31420-19	1		Tl hit

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:52	JA31420-20	1		Tl hit
23:58	ZZZZZZ	1		
00:04	MP50205-S1	25		
00:10	MP50205-S2	25		
00:16	JA30716-1	25		(sample used for QC only; not part of login JA31420)
00:22	MP50205-SD1	125		
00:29	MA23433-CCV12	1		
00:35	MA23433-CCB13	1		
00:41	MA23433-ICSA3	1		
00:47	MA23433-ICSAB3	1		
00:54	MA23433-CCV13	1		
01:00	MA23433-CCB14	1		
01:06	MP50448-MB1	1		
01:12	MP50448-B1	1		
01:19	MP50448-S1	1		
01:25	MP50448-S2	1		
01:31	JA31420-25	1		
01:37	MP50448-SD1	5		
01:43	ZZZZZZ	1		
01:49	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:02	ZZZZZZ	1		
02:08	MA23433-CCV14	1		
02:14	MA23433-CCB15	1		
02:20	JA31420-21	1		Tl hit
02:26	JA31420-22	1		Tl hit
02:33	JA31420-23	1		
02:39	JA31420-24	1		Tl hit
02:45	ZZZZZZ	1		
02:51	ZZZZZZ	1		
02:57	ZZZZZZ	1		
03:03	ZZZZZZ	1		
03:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:16	ZZZZZZ	1		
03:22	MA23433-CCV15	1		
03:28	MA23433-CCB16	1		
03:34	ZZZZZZ	1		
03:40	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:53	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:11	MA23433-CCV16	1		
04:17	MA23433-CCB17	1		
04:24	MP50452-MB1	1		
04:30	MP50452-LC1	1		
04:36	MP50452-S1	1		
04:42	MP50452-S2	1		
04:48	JA30971-2	1		(sample used for QC only; not part of login JA31420)
04:54	MP50452-SD1	5		
05:01	ZZZZZZ	1		
05:07	ZZZZZZ	1		
05:13	ZZZZZZ	1		
05:19	ZZZZZZ	1		
05:25	MA23433-CCV17	1		
05:31	MA23433-CCB18	1		
05:38	ZZZZZZ	1		
05:44	ZZZZZZ	1		
05:50	ZZZZZZ	1		
05:56	ZZZZZZ	1		
06:02	ZZZZZZ	1		
06:08	ZZZZZZ	1		
06:15	ZZZZZZ	1		
06:21	ZZZZZZ	1		
06:27	ZZZZZZ	1		
06:33	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:39	MA23433-CCV18	1		
06:45	MA23433-CCB19	1		
06:52	ZZZZZZ	1		
06:58	ZZZZZZ	1		
07:04	ZZZZZZ	1		
07:10	ZZZZZZ	1		
07:16	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:29	MA23433-CCV19	1		
07:35	MA23433-CCB20	1		
07:41	MA23433-ICSA4	1		
07:47	MA23433-ICSAB4	1		
07:54	MA23433-CCV20	1		
08:00	MA23433-CCB21	1		
08:15	JA31420-1	1		
08:21	JA31420-6	1		
08:26	JA31420-7	1		
08:32	JA31420-10	1		
08:37	JA31420-11	1		
08:43	JA31420-12	1		
08:49	JA31420-13	1		
---------->	Last reportable sample/prep for job JA31420			
08:54	MA23433-ICSA5	1		
09:01	MA23433-ICSAB5	1		
09:07	MA23433-CCV21	1		
09:13	MA23433-CCB22	1		
---------->	Last reportable CCB for job JA31420			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
09:21	MA23433-STD1	54533 R
09:27	MA23433-STD2	53783
09:34	MA23433-STD3	53977
09:40	MA23433-STD4	54350
09:46	MA23433-STD5	54169
09:52	MA23433-STD6	54945
09:59	MA23433-STD7	54540
10:05	MA23433-STD8	54363
10:11	MA23433-STD9	53983
10:19	MA23433-HSTD1	53299
10:32	MA23433-CRIB1	54678
10:57	MA23433-CRID1	55874
11:09	MA23433-ICV1	55302
11:21	MA23433-ICB1	55138
11:29	MA23433-ICB2	57439
11:47	MA23433-ICCV1	55153
11:54	MA23433-CCB1	56279
12:02	MA23433-ICSA1	52849
12:08	MA23433-ICSAB1	52616
12:14	MA23433-CCV1	56123
12:21	MA23433-CCB2	56606
12:27	ZZZZZZ	62551
12:33	ZZZZZZ	59849
12:39	ZZZZZZ	62643
12:44	MP50426-B1	56664
12:50	MP50426-LC1	60347
12:56	MP50426-S1	59058
13:03	MP50426-S2	59906
13:09	JA31372-11	60861
13:14	MP50426-SD1	58675
13:24	MA23433-CCV2	56003
13:30	MA23433-CCB3	55681
13:38	MP50426-MB1	55452

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
13:45	ZZZZZZ	55603
13:51	ZZZZZZ	55252
13:57	ZZZZZZ	55818
14:03	ZZZZZZ	56258
14:09	ZZZZZZ	57921
14:14	ZZZZZZ	57993
14:20	MA23433-CCV3	53452
14:26	MA23433-CCB4	54209
14:33	ZZZZZZ	54473
14:39	MP50434-S1	51275
14:45	MP50434-S2	50954
14:51	JA32158-4	51372
14:57	MP50434-SD1	52242
15:03	ZZZZZZ	55428
15:09	ZZZZZZ	60643
15:15	ZZZZZZ	59505
15:21	ZZZZZZ	58372
15:27	ZZZZZZ	58185
15:33	ZZZZZZ	57613
15:40	MA23433-CCV4	52894
15:46	MA23433-CCB5	53590
15:53	MP50451-MB1	54234
15:59	MP50451-LC1	51647
16:04	MP50451-S1	50530
16:10	MP50451-S2	50218
16:16	JA32313-2	50345
16:20	MP50451-SD1	52252
16:26	ZZZZZZ	52460
16:32	MA23433-CRIB2	53124
16:38	MA23433-CRID2	53745
16:45	MA23433-CCV5	53511
16:51	MA23433-CCB6	54398
16:57	MA23433-ICSA2	50706

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
17:04	MA23433-ICSAB2	50312
17:10	MA23433-CCV6	53682
17:16	MA23433-CCB7	54333
17:24	ZZZZZZ	56003
17:30	MP50434-S1	52159
17:36	MP50434-S2	52088
17:42	JA32158-4	51893
17:49	MP50434-SD1	54492
17:55	ZZZZZZ	56632
18:01	ZZZZZZ	61667
18:07	ZZZZZZ	60348
18:13	ZZZZZZ	59543
18:19	ZZZZZZ	59316
18:25	MA23433-CCV7	54193
18:32	MA23433-CCB8	54399
18:38	ZZZZZZ	58429
18:44	ZZZZZZ	59527
18:50	ZZZZZZ	58963
18:56	ZZZZZZ	42681
19:02	ZZZZZZ	30556 !
19:08	ZZZZZZ	37450
19:15	ZZZZZZ	55670
19:21	MP50415-LC1	56788
19:27	ZZZZZZ	50124
19:33	MP50450-MB1	55717
19:39	MA23433-CCV8	54137
19:45	MA23433-CCB9	54745
19:52	MP50450-B1	53777
19:58	MP50450-LC1	57220
20:04	ZZZZZZ	58662
20:10	ZZZZZZ	56834
20:16	ZZZZZZ	56321
20:22	ZZZZZZ	57594

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
20:28	ZZZZZZ	60025
20:34	MP50419-S1	55703
20:41	MP50419-S2	56092
20:47	MA23433-CCV9	54759
20:53	MA23433-CCB10	55407
20:59	MP50447-MB1	56454
21:05	MP50447-B1	54317
21:12	MP50447-S1	56276
21:18	MP50447-S2	56195
21:24	JA31420-1	56016
21:30	MP50447-SD1	54846
21:36	JA31420-2	55514
21:42	JA31420-3	55291
21:48	JA31420-4	55436
21:54	JA31420-5	55610
22:01	MA23433-CCV10	54101
22:07	MA23433-CCB11	55023
22:13	JA31420-6	56239
22:19	JA31420-7	57171
22:26	JA31420-8	56728
22:32	JA31420-9	56047
22:38	JA31420-10	56301
22:44	JA31420-11	59598
22:50	JA31420-12	59186
22:56	JA31420-13	61099
23:02	JA31420-14	62594
23:08	JA31420-15	59716
23:15	MA23433-CCV11	55393
23:21	MA23433-CCB12	56422
23:27	JA31420-16	57087
23:33	JA31420-17	59265
23:39	JA31420-18	57645
23:46	JA31420-19	59932

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
23:52	JA31420-20	60483
23:58	ZZZZZZ	57556
00:04	MP50205-S1	58404
00:10	MP50205-S2	57687
00:16	JA30716-1	57719
00:22	MP50205-SD1	55924
00:29	MA23433-CCV12	54634
00:35	MA23433-CCB13	55511
00:41	MA23433-ICSA3	51701
00:47	MA23433-ICSAB3	51682
00:54	MA23433-CCV13	54866
01:00	MA23433-CCB14	55415
01:06	MP50448-MB1	57651
01:12	MP50448-B1	54609
01:19	MP50448-S1	56545
01:25	MP50448-S2	55648
01:31	JA31420-25	56477
01:37	MP50448-SD1	55285
01:43	ZZZZZZ	57319
01:49	ZZZZZZ	56163
01:55	ZZZZZZ	61515
02:02	ZZZZZZ	55698
02:08	MA23433-CCV14	54479
02:14	MA23433-CCB15	54982
02:20	JA31420-21	57123
02:26	JA31420-22	59420
02:33	JA31420-23	56184
02:39	JA31420-24	57699
02:45	ZZZZZZ	57872
02:51	ZZZZZZ	56667
02:57	ZZZZZZ	55518
03:03	ZZZZZZ	61633
03:09	ZZZZZZ	57581

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
03:16	ZZZZZZ	57455
03:22	MA23433-CCV15	54242
03:28	MA23433-CCB16	54745
03:34	ZZZZZZ	54885
03:40	ZZZZZZ	57925
03:47	ZZZZZZ	57503
03:53	ZZZZZZ	58357
03:59	ZZZZZZ	57289
04:05	ZZZZZZ	59290
04:11	MA23433-CCV16	54766
04:17	MA23433-CCB17	54898
04:24	MP50452-MB1	55353
04:30	MP50452-LC1	52991
04:36	MP50452-S1	55025
04:42	MP50452-S2	55155
04:48	JA30971-2	55333
04:54	MP50452-SD1	54707
05:01	ZZZZZZ	55278
05:07	ZZZZZZ	54423
05:13	ZZZZZZ	55242
05:19	ZZZZZZ	54807
05:25	MA23433-CCV17	54261
05:31	MA23433-CCB18	54947
05:38	ZZZZZZ	54618
05:44	ZZZZZZ	54612
05:50	ZZZZZZ	54251
05:56	ZZZZZZ	55080
06:02	ZZZZZZ	55272
06:08	ZZZZZZ	54315
06:15	ZZZZZZ	54374
06:21	ZZZZZZ	54175
06:27	ZZZZZZ	54334
06:33	ZZZZZZ	54453

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23433
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1
06:39	MA23433-CCV18	54641
06:45	MA23433-CCB19	55354
06:52	ZZZZZZ	53941
06:58	ZZZZZZ	54696
07:04	ZZZZZZ	54240
07:10	ZZZZZZ	54856
07:16	ZZZZZZ	54639
07:22	ZZZZZZ	57717
07:29	MA23433-CCV19	54840
07:35	MA23433-CCB20	55413
07:41	MA23433-ICSA4	51990
07:47	MA23433-ICSAB4	51945
07:54	MA23433-CCV20	55266
08:00	MA23433-CCB21	55893
08:15	JA31420-1	58362
08:21	JA31420-6	58785
08:26	JA31420-7	60727
08:32	JA31420-10	59204
08:37	JA31420-11	61571
08:43	JA31420-12	60927
08:49	JA31420-13	63023
08:54	MA23433-ICSA5	53928
09:01	MA23433-ICSAB5	53663
09:07	MA23433-CCV21	57044
09:13	MA23433-CCB22	57506

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			11:21		11:29		11:54		12:21	
Sample ID:			ICB1		ICB2		CCB1		CCB2	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	12.5	<200	15.4	<200	5.6	<200	32.9	<200
Antimony	6.0	3.1	0.65	<6.0	-2.9	<6.0	-1.5	<6.0	1.7	<6.0
Arsenic	8.0	2.4	-0.70	<8.0	-1.7	<8.0	0.36	<8.0	2.1	<8.0
Barium	200	1.4	0.14	<200	0.0075	<200	0.18	<200	0.38	<200
Beryllium	1.0	.09	0.16	<1.0	0.069	<1.0	0.19	<1.0	0.35	<1.0
Cadmium	3.0	.4	-0.14	<3.0	-0.099	<3.0	-0.11	<3.0	0.24	<3.0
Calcium	5000	27	-0.24	<5000	-15	<5000	-9.0	<5000	6.1	<5000
Chromium	10	1.3	0.56	<10	0.22	<10	0.80	<10	2.5	<10
Cobalt	50	.8	0.12	<50	-0.00090	<50	0.11	<50	0.44	<50
Copper	10	1.1	0.052	<10	-1.1	<10	-0.57	<10	-0.81	<10
Iron	100	19	11.1	<100	3.6	<100	-1.7	<100	18.6	<100
Lead	3.0	2.7	-1.8	<3.0	0.16	<3.0	-0.13	<3.0	1.2	<3.0
Magnesium	5000	31	8.1	<5000	2.1	<5000	6.0	<5000	25.4	<5000
Manganese	15	.3	0.36	<15	-0.0047	<15	0.23	<15	0.39	<15
Molybdenum	20	1.1								
Nickel	10	1.5	0.69	<10	-0.33	<10	-0.66	<10	-0.12	<10
Palladium	50	4.6								
Potassium	10000	24	792	<10000	700	<10000	737	<10000	727	<10000
Selenium	10	5.4	-6.8	<10	-1.8	<10	-1.2	<10	0.081	<10
Silicon	200	11								
Silver	10	1.2	0.41	<10	-0.046	<10	0.068	<10	-0.18	<10
Sodium	10000	200	853	<10000	737	<10000	863	<10000	749	<10000
Thallium	10	3.9	1.5	<10	4.2	<10	3.6	<10	5.7	<10
Tin	10	3.6								
Vanadium	50	1.4	0.58	<50	-0.28	<50	0.094	<50	0.65	<50
Zinc	20	1.2	0.020	<20	-1.2	<20	-0.94	<20	-0.38	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			13:30		14:26		15:46		16:51	
Sample ID:			CCB3		CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	22.7	<200	4.5	<200	4.4	<200	5.2	<200
Antimony	6.0	3.1	0.52	<6.0	-0.020	<6.0	-0.22	<6.0	-0.65	<6.0
Arsenic	8.0	2.4	1.7	<8.0	-0.97	<8.0	1.0	<8.0	0.26	<8.0
Barium	200	1.4	0.63	<200	0.18	<200	0.16	<200	0.37	<200
Beryllium	1.0	.09	0.50	<1.0	0.13	<1.0	0.13	<1.0	0.35	<1.0
Cadmium	3.0	.4	0.38	<3.0	-0.097	<3.0	0.095	<3.0	0.065	<3.0
Calcium	5000	27	10.8	<5000	30.2	<5000	0.49	<5000	1.4	<5000
Chromium	10	1.3	2.2	<10	0.26	<10	0.62	<10	0.089	<10
Cobalt	50	.8	0.0079	<50	0.46	<50	-0.49	<50	0.31	<50
Copper	10	1.1	-0.12	<10	0.55	<10	1.1	<10	0.62	<10
Iron	100	19	29.3	<100	19.1	<100	14.9	<100	-1.7	<100
Lead	3.0	2.7	0.93	<3.0	0.79	<3.0	0.38	<3.0	0.41	<3.0
Magnesium	5000	31	18.0	<5000	19.9	<5000	9.5	<5000	13.4	<5000
Manganese	15	.3	0.80	<15	0.52	<15	0.75	<15	0.56	<15
Molybdenum	20	1.1								
Nickel	10	1.5	0.33	<10	-0.042	<10	-0.024	<10	0.095	<10
Palladium	50	4.6								
Potassium	10000	24	754	<10000	798	<10000	813	<10000	794	<10000
Selenium	10	5.4	-1.0	<10	1.5	<10	-0.25	<10	1.5	<10
Silicon	200	11								
Silver	10	1.2	0.14	<10	0.81	<10	0.67	<10	0.31	<10
Sodium	10000	200	836	<10000	799	<10000	823	<10000	715	<10000
Thallium	10	3.9	4.3	<10	4.0	<10	3.5	<10	2.0	<10
Tin	10	3.6								
Vanadium	50	1.4	0.23	<50	0.15	<50	0.32	<50	0.39	<50
Zinc	20	1.2	-0.27	<20	-1.3	<20	-1.0	<20	-0.86	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			17:16		18:32		19:45		20:53	
Sample ID:			CCB7		CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	41.4	<200	18.2	<200	9.0	<200	13.8	<200
Antimony	6.0	3.1	-0.14	<6.0	0.10	<6.0	0.25	<6.0	-0.033	<6.0
Arsenic	8.0	2.4	3.1	<8.0	2.4	<8.0	1.7	<8.0	1.7	<8.0
Barium	200	1.4	0.41	<200	0.36	<200	0.27	<200	0.63	<200
Beryllium	1.0	.09	0.41	<1.0	0.35	<1.0	0.28	<1.0	0.25	<1.0
Cadmium	3.0	.4	0.28	<3.0	0.29	<3.0	0.16	<3.0	0.23	<3.0
Calcium	5000	27	28.3	<5000	0.32	<5000	-2.7	<5000	4.1	<5000
Chromium	10	1.3	1.1	<10	0.69	<10	0.70	<10	0.51	<10
Cobalt	50	.8	0.40	<50	0.50	<50	-0.22	<50	0.21	<50
Copper	10	1.1	0.55	<10	0.32	<10	0.27	<10	-0.17	<10
Iron	100	19	22.9	<100	23.7	<100	12.8	<100	19.9	<100
Lead	3.0	2.7	0.74	<3.0	0.40	<3.0	-0.20	<3.0	1.6	<3.0
Magnesium	5000	31	51.4	<5000	11.6	<5000	13.4	<5000	14.1	<5000
Manganese	15	.3	0.50	<15	1.1	<15	0.60	<15	0.94	<15
Molybdenum	20	1.1								
Nickel	10	1.5	0.93	<10	-0.53	<10	-0.59	<10	0.35	<10
Palladium	50	4.6								
Potassium	10000	24	789	<10000	791	<10000	803	<10000	783	<10000
Selenium	10	5.4	1.4	<10	-0.13	<10	0.60	<10	0.59	<10
Silicon	200	11								
Silver	10	1.2	0.40	<10	0.48	<10	0.34	<10	0.11	<10
Sodium	10000	200	759	<10000	863	<10000	805	<10000	851	<10000
Thallium	10	3.9	5.9	<10	0.15	<10	2.5	<10	5.1	<10
Tin	10	3.6								
Vanadium	50	1.4	0.26	<50	0.15	<50	0.34	<50	0.66	<50
Zinc	20	1.2	-0.82	<20	-0.98	<20	-1.2	<20	-0.47	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			22:07		23:21		00:35		01:00	
Sample ID:			CCB11		CCB12		CCB13		CCB14	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	9.9	<200	23.0	<200	12.2	<200	41.3	<200
Antimony	6.0	3.1	0.24	<6.0	1.4	<6.0	-1.1	<6.0	-0.12	<6.0
Arsenic	8.0	2.4	2.0	<8.0	-0.66	<8.0	1.2	<8.0	3.0	<8.0
Barium	200	1.4	0.34	<200	0.34	<200	0.20	<200	0.42	<200
Beryllium	1.0	.09	0.30	<1.0	0.38	<1.0	0.24	<1.0	0.46	<1.0
Cadmium	3.0	.4	-0.019	<3.0	0.37	<3.0	0.27	<3.0	0.32	<3.0
Calcium	5000	27	-8.1	<5000	-6.2	<5000	-9.6	<5000	19.2	<5000
Chromium	10	1.3	0.28	<10	0.26	<10	0.37	<10	0.70	<10
Cobalt	50	.8	0.54	<50	0.34	<50	0.63	<50	0.13	<50
Copper	10	1.1	0.33	<10	-0.18	<10	0.061	<10	0.12	<10
Iron	100	19	16.4	<100	56.0	<100	13.4	<100	25.0	<100
Lead	3.0	2.7	-1.4	<3.0	-0.13	<3.0	0.0058	<3.0	0.12	<3.0
Magnesium	5000	31	10.6	<5000	14.8	<5000	4.4	<5000	45.7	<5000
Manganese	15	.3	0.36	<15	0.71	<15	0.30	<15	0.52	<15
Molybdenum	20	1.1								
Nickel	10	1.5	-0.29	<10	-0.24	<10	-0.23	<10	1.2	<10
Palladium	50	4.6								
Potassium	10000	24	748	<10000	747	<10000	755	<10000	758	<10000
Selenium	10	5.4	1.3	<10	0.48	<10	1.7	<10	-2.7	<10
Silicon	200	11								
Silver	10	1.2	0.38	<10	0.24	<10	0.26	<10	0.25	<10
Sodium	10000	200	777	<10000	785	<10000	798	<10000	804	<10000
Thallium	10	3.9	4.1	<10	6.6	<10	3.3	<10	3.3	<10
Tin	10	3.6								
Vanadium	50	1.4	0.36	<50	0.98	<50	0.74	<50	0.22	<50
Zinc	20	1.2	-0.88	<20	-1.1	<20	-0.80	<20	-0.96	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			02:14		03:28		04:17		05:31	
Sample ID:			CCB15		CCB16		CCB17		CCB18	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	15.1	<200	16.9	<200	16.1	<200	0.29	<200
Antimony	6.0	3.1	2.2	<6.0	-1.2	<6.0	0.70	<6.0	-1.2	<6.0
Arsenic	8.0	2.4	1.4	<8.0	-0.55	<8.0	-0.40	<8.0	2.3	<8.0
Barium	200	1.4	0.48	<200	0.30	<200	0.48	<200	0.13	<200
Beryllium	1.0	.09	0.44	<1.0	0.27	<1.0	0.20	<1.0	0.15	<1.0
Cadmium	3.0	.4	0.28	<3.0	0.34	<3.0	0.14	<3.0	-0.23	<3.0
Calcium	5000	27	-4.5	<5000	0.11	<5000	-0.091	<5000	-9.7	<5000
Chromium	10	1.3	0.40	<10	0.29	<10	0.51	<10	0.12	<10
Cobalt	50	.8	0.15	<50	0.11	<50	-0.056	<50	-0.18	<50
Copper	10	1.1	0.28	<10	0.43	<10	0.63	<10	0.25	<10
Iron	100	19	17.3	<100	28.3	<100	22.8	<100	6.3	<100
Lead	3.0	2.7	0.16	<3.0	-0.081	<3.0	0.0033	<3.0	-0.35	<3.0
Magnesium	5000	31	10	<5000	12.4	<5000	11.6	<5000	5.5	<5000
Manganese	15	.3	0.47	<15	0.66	<15	0.62	<15	0.17	<15
Molybdenum	20	1.1								
Nickel	10	1.5	0.20	<10	0.46	<10	0.45	<10	-0.26	<10
Palladium	50	4.6								
Potassium	10000	24	773	<10000	779	<10000	773	<10000	769	<10000
Selenium	10	5.4	-1.4	<10	-2.8	<10	-1.7	<10	-2.2	<10
Silicon	200	11								
Silver	10	1.2	0.26	<10	-0.090	<10	0.45	<10	-0.17	<10
Sodium	10000	200	829	<10000	814	<10000	848	<10000	767	<10000
Thallium	10	3.9	1.6	<10	2.3	<10	2.3	<10	0.15	<10
Tin	10	3.6								
Vanadium	50	1.4	0.45	<50	0.56	<50	0.67	<50	0.25	<50
Zinc	20	1.2	-1.1	<20	-0.69	<20	-0.87	<20	-0.89	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23433 Units: ug/l

Time:			06:45		07:35		08:00		09:13	
Sample ID:			CCB19		CCB20		CCB21		CCB22	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	7.1	<200	8.6	<200	33.7	<200	62.2	<200
Antimony	6.0	3.1	-0.28	<6.0	-1.4	<6.0	0.58	<6.0	-0.41	<6.0
Arsenic	8.0	2.4	2.3	<8.0	0.026	<8.0	0.43	<8.0	1.6	<8.0
Barium	200	1.4	0.32	<200	0.27	<200	0.36	<200	0.26	<200
Beryllium	1.0	.09	0.32	<1.0	0.29	<1.0	0.41	<1.0	0.30	<1.0
Cadmium	3.0	.4	0.41	<3.0	0.11	<3.0	0.18	<3.0	0.21	<3.0
Calcium	5000	27	-5.9	<5000	-6.3	<5000	13.8	<5000	19.4	<5000
Chromium	10	1.3	0.49	<10	0.30	<10	0.27	<10	0.61	<10
Cobalt	50	.8	-0.094	<50	0.086	<50	-0.076	<50	0.14	<50
Copper	10	1.1	0.32	<10	0.040	<10	0.15	<10	-0.83	<10
Iron	100	19	14.6	<100	-3.1	<100	16.1	<100	32.5	<100
Lead	3.0	2.7	1.1	<3.0	1.6	<3.0	0.099	<3.0	0.72	<3.0
Magnesium	5000	31	10.5	<5000	13.2	<5000	32.2	<5000	47.3	<5000
Manganese	15	.3	0.50	<15	0.45	<15	0.39	<15	0.35	<15
Molybdenum	20	1.1								
Nickel	10	1.5	-0.51	<10	0.72	<10	0.031	<10	0.33	<10
Palladium	50	4.6								
Potassium	10000	24	769	<10000	778	<10000	775	<10000	735	<10000
Selenium	10	5.4	0.43	<10	-1.1	<10	2.8	<10	-0.21	<10
Silicon	200	11								
Silver	10	1.2	0.39	<10	0.35	<10	0.055	<10	0.033	<10
Sodium	10000	200	785	<10000	811	<10000	836	<10000	832	<10000
Thallium	10	3.9	3.3	<10	1.7	<10	3.4	<10	4.6	<10
Tin	10	3.6								
Vanadium	50	1.4	0.36	<50	0.27	<50	0.87	<50	0.85	<50
Zinc	20	1.2	-0.91	<20	-1.0	<20	-1.1	<20	-1.2	<20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		11:47	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	38300	95.8
Antimony	2000	1980	99.0
Arsenic	2000	2040	102.0
Barium	2000	2030	101.5
Beryllium	2000	2000	100.0
Cadmium	2000	1960	98.0
Calcium	40000	38500	96.3
Chromium	2000	1970	98.5
Cobalt	2000	1980	99.0
Copper	2000	1990	99.5
Iron	40000	39100	97.8
Lead	2000	1970	98.5
Magnesium	40000	39800	99.5
Manganese	2000	1970	98.5
Molybdenum			
Nickel	2000	1970	98.5
Palladium			
Potassium	40000	38600	96.5
Selenium	2000	2030	101.5
Silicon			
Silver	250	255	102.0
Sodium	40000	38100	95.3
Thallium	2000	2030	101.5
Tin			
Vanadium	2000	2000	100.0
Zinc	2000	1960	98.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		11:09			12:14			13:24	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	5000	4590	91.8*(a)	40000	36700	91.8	40000	36700	91.8
Antimony	1000	970	97.0	2000	1890	94.5	2000	1880	94.0
Arsenic	1000	1000	100.0	2000	1980	99.0	2000	1960	98.0
Barium	1000	985	98.5	2000	1980	99.0	2000	1960	98.0
Beryllium	1000	990	99.0	2000	1910	95.5	2000	1900	95.0
Cadmium	1000	975	97.5	2000	1860	93.0	2000	1850	92.5
Calcium	5000	4800	96.0	40000	36400	91.0	40000	36400	91.0
Chromium	1000	989	98.9	2000	1900	95.0	2000	1880	94.0
Cobalt	1000	967	96.7	2000	1880	94.0	2000	1860	93.0
Copper	1000	980	98.0	2000	1940	97.0	2000	1920	96.0
Iron	5000	4960	99.2	40000	37600	94.0	40000	37500	93.8
Lead	1000	987	98.7	2000	1880	94.0	2000	1860	93.0
Magnesium	5000	4800	96.0	40000	38300	95.8	40000	38300	95.8
Manganese	1000	989	98.9	2000	1890	94.5	2000	1870	93.5
Molybdenum									
Nickel	1000	988	98.8	2000	1890	94.5	2000	1880	94.0
Palladium									
Potassium	10000	9580	95.8	40000	36900	92.3	40000	37100	92.8
Selenium	1000	994	99.4	2000	1960	98.0	2000	1950	97.5
Silicon									
Silver	500	500	100.0	250	245	98.0	250	246	98.4
Sodium	10000	9350	93.5*(a)	40000	36400	91.0	40000	36600	91.5
Thallium	1000	990	99.0	2000	1990	99.5	2000	1980	99.0
Tin									
Vanadium	1000	975	97.5	2000	1960	98.0	2000	1950	97.5
Zinc	1000	985	98.5	2000	1860	93.0	2000	1850	92.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		14:20			15:40			16:45	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38100	95.3	40000	38400	96.0	40000	38200	95.5
Antimony	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	2030	101.5	2000	2050	102.5	2000	2050	102.5
Barium	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Beryllium	2000	2020	101.0	2000	2050	102.5	2000	2040	102.0
Cadmium	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Calcium	40000	38600	96.5	40000	39100	97.8	40000	38600	96.5
Chromium	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Cobalt	2000	2020	101.0	2000	2040	102.0	2000	2030	101.5
Copper	2000	2000	100.0	2000	2010	100.5	2000	2020	101.0
Iron	40000	38900	97.3	40000	39100	97.8	40000	38900	97.3
Lead	2000	1990	99.5	2000	2020	101.0	2000	2010	100.5
Magnesium	40000	39500	98.8	40000	39800	99.5	40000	39500	98.8
Manganese	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Molybdenum									
Nickel	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Palladium									
Potassium	40000	38600	96.5	40000	38900	97.3	40000	38400	96.0
Selenium	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Silicon									
Silver	250	256	102.4	250	258	103.2	250	256	102.4
Sodium	40000	38200	95.5	40000	38600	96.5	40000	38200	95.5
Thallium	2000	2020	101.0	2000	2030	101.5	2000	2040	102.0
Tin									
Vanadium	2000	1970	98.5	2000	1980	99.0	2000	1990	99.5
Zinc	2000	1990	99.5	2000	2010	100.5	2000	2000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		17:10			18:25			19:39	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38000	95.0	40000	37700	94.3	40000	37700	94.3
Antimony	2000	2000	100.0	2000	1980	99.0	2000	1980	99.0
Arsenic	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Barium	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	2030	101.5	2000	2000	100.0	2000	2020	101.0
Cadmium	2000	1970	98.5	2000	1940	97.0	2000	1960	98.0
Calcium	40000	38300	95.8	40000	37700	94.3	40000	38000	95.0
Chromium	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0
Cobalt	2000	2010	100.5	2000	1970	98.5	2000	1990	99.5
Copper	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Iron	40000	38700	96.8	40000	38400	96.0	40000	38600	96.5
Lead	2000	1990	99.5	2000	1960	98.0	2000	1980	99.0
Magnesium	40000	39400	98.5	40000	39100	97.8	40000	39300	98.3
Manganese	2000	1980	99.0	2000	1960	98.0	2000	1970	98.5
Molybdenum									
Nickel	2000	1980	99.0	2000	1960	98.0	2000	1980	99.0
Palladium									
Potassium	40000	38200	95.5	40000	37800	94.5	40000	37700	94.3
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Silicon									
Silver	250	255	102.0	250	253	101.2	250	253	101.2
Sodium	40000	37900	94.8	40000	37700	94.3	40000	37700	94.3
Thallium	2000	2030	101.5	2000	2030	101.5	2000	2040	102.0
Tin									
Vanadium	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Zinc	2000	1980	99.0	2000	1950	97.5	2000	1970	98.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		20:47			22:01			23:15	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37400	93.5	40000	38000	95.0	40000	37700	94.3
Antimony	2000	1960	98.0	2000	1990	99.5	2000	1980	99.0
Arsenic	2000	2030	101.5	2000	2040	102.0	2000	2060	103.0
Barium	2000	2010	100.5	2000	2050	102.5	2000	2030	101.5
Beryllium	2000	2000	100.0	2000	2010	100.5	2000	2010	100.5
Cadmium	2000	1930	96.5	2000	1950	97.5	2000	1960	98.0
Calcium	40000	37700	94.3	40000	38000	95.0	40000	38000	95.0
Chromium	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Cobalt	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Copper	2000	1990	99.5	2000	2020	101.0	2000	2000	100.0
Iron	40000	38400	96.0	40000	38600	96.5	40000	38800	97.0
Lead	2000	1960	98.0	2000	1970	98.5	2000	1970	98.5
Magnesium	40000	39100	97.8	40000	39300	98.3	40000	39500	98.8
Manganese	2000	1950	97.5	2000	1970	98.5	2000	1970	98.5
Molybdenum									
Nickel	2000	1960	98.0	2000	1970	98.5	2000	1980	99.0
Palladium									
Potassium	40000	37400	93.5	40000	38100	95.3	40000	37700	94.3
Selenium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Silicon									
Silver	250	251	100.4	250	255	102.0	250	253	101.2
Sodium	40000	37300	93.3	40000	38000	95.0	40000	37600	94.0
Thallium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Tin									
Vanadium	2000	1990	99.5	2000	2000	100.0	2000	2010	100.5
Zinc	2000	1960	98.0	2000	1960	98.0	2000	1970	98.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		00:29			00:54			02:08	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	37900	94.8	40000	37800	94.5	40000	38400	96.0
Antimony	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Arsenic	2000	2050	102.5	2000	2040	102.0	2000	2080	104.0
Barium	2000	2040	102.0	2000	2020	101.0	2000	2060	103.0
Beryllium	2000	2020	101.0	2000	2000	100.0	2000	2050	102.5
Cadmium	2000	1960	98.0	2000	1940	97.0	2000	1990	99.5
Calcium	40000	38100	95.3	40000	38000	95.0	40000	38600	96.5
Chromium	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Cobalt	2000	1990	99.5	2000	1980	99.0	2000	2020	101.0
Copper	2000	2010	100.5	2000	2000	100.0	2000	2040	102.0
Iron	40000	38800	97.0	40000	38700	96.8	40000	39200	98.0
Lead	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Magnesium	40000	39500	98.8	40000	39500	98.8	40000	40000	100.0
Manganese	2000	1970	98.5	2000	1960	98.0	2000	2000	100.0
Molybdenum									
Nickel	2000	1980	99.0	2000	1970	98.5	2000	2010	100.5
Palladium									
Potassium	40000	37800	94.5	40000	38100	95.3	40000	38400	96.0
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2090	104.5
Silicon									
Silver	250	253	101.2	250	254	101.6	250	257	102.8
Sodium	40000	37800	94.5	40000	37900	94.8	40000	38300	95.8
Thallium	2000	2060	103.0	2000	2040	102.0	2000	2080	104.0
Tin									
Vanadium	2000	2000	100.0	2000	1990	99.5	2000	2030	101.5
Zinc	2000	1980	99.0	2000	1960	98.0	2000	2000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		03:22			04:11			05:25	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38500	96.3	40000	38000	95.0	40000	38500	96.3
Antimony	2000	2030	101.5	2000	2000	100.0	2000	2010	100.5
Arsenic	2000	2090	104.5	2000	2060	103.0	2000	2080	104.0
Barium	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Beryllium	2000	2060	103.0	2000	2030	101.5	2000	2050	102.5
Cadmium	2000	2000	100.0	2000	1970	98.5	2000	1990	99.5
Calcium	40000	38700	96.8	40000	38200	95.5	40000	38800	97.0
Chromium	2000	2020	101.0	2000	1990	99.5	2000	2010	100.5
Cobalt	2000	2030	101.5	2000	2010	100.5	2000	2020	101.0
Copper	2000	2040	102.0	2000	2020	101.0	2000	2040	102.0
Iron	40000	39300	98.3	40000	38800	97.0	40000	39200	98.0
Lead	2000	2020	101.0	2000	2000	100.0	2000	2010	100.5
Magnesium	40000	40100	100.3	40000	39600	99.0	40000	40100	100.3
Manganese	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Molybdenum									
Nickel	2000	2010	100.5	2000	1990	99.5	2000	2000	100.0
Palladium									
Potassium	40000	38500	96.3	40000	38100	95.3	40000	38500	96.3
Selenium	2000	2100	105.0	2000	2080	104.0	2000	2080	104.0
Silicon									
Silver	250	258	103.2	250	255	102.0	250	258	103.2
Sodium	40000	38700	96.8	40000	38100	95.3	40000	38500	96.3
Thallium	2000	2090	104.5	2000	2060	103.0	2000	2080	104.0
Tin									
Vanadium	2000	2030	101.5	2000	2000	100.0	2000	2030	101.5
Zinc	2000	2010	100.5	2000	1990	99.5	2000	2000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		06:39			07:29			07:54	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38600	96.5	40000	38500	96.3	40000	38200	95.5
Antimony	2000	2020	101.0	2000	2010	100.5	2000	1990	99.5
Arsenic	2000	2080	104.0	2000	2080	104.0	2000	2060	103.0
Barium	2000	2060	103.0	2000	2050	102.5	2000	2030	101.5
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2030	101.5
Cadmium	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Calcium	40000	38800	97.0	40000	38800	97.0	40000	38600	96.5
Chromium	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5
Cobalt	2000	2020	101.0	2000	2020	101.0	2000	2000	100.0
Copper	2000	2040	102.0	2000	2030	101.5	2000	2010	100.5
Iron	40000	39400	98.5	40000	39400	98.5	40000	39200	98.0
Lead	2000	2010	100.5	2000	2020	101.0	2000	1990	99.5
Magnesium	40000	40200	100.5	40000	40200	100.5	40000	40100	100.3
Manganese	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Molybdenum									
Nickel	2000	2010	100.5	2000	2010	100.5	2000	1990	99.5
Palladium									
Potassium	40000	38500	96.3	40000	38300	95.8	40000	38200	95.5
Selenium	2000	2080	104.0	2000	2090	104.5	2000	2060	103.0
Silicon									
Silver	250	258	103.2	250	257	102.8	250	255	102.0
Sodium	40000	38600	96.5	40000	38400	96.0	40000	38200	95.5
Thallium	2000	2080	104.0	2000	2080	104.0	2000	2070	103.5
Tin									
Vanadium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Zinc	2000	2010	100.5	2000	2010	100.5	2000	2000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		09:07	
Sample ID:	CCV	CCV21	
Metal	True	Results	% Rec
Aluminum	40000	37200	93.0
Antimony	2000	1910	95.5
Arsenic	2000	2020	101.0
Barium	2000	1990	99.5
Beryllium	2000	1940	97.0
Cadmium	2000	1900	95.0
Calcium	40000	37200	93.0
Chromium	2000	1930	96.5
Cobalt	2000	1890	94.5
Copper	2000	1940	97.0
Iron	40000	38500	96.3
Lead	2000	1910	95.5
Magnesium	40000	39500	98.8
Manganese	2000	1900	95.0
Molybdenum			
Nickel	2000	1930	96.5
Palladium			
Potassium	40000	37100	92.8
Selenium	2000	1990	99.5
Silicon			
Silver	250	249	99.6
Sodium	40000	36800	92.0
Thallium	2000	2040	102.0
Tin			
Vanadium	2000	2000	100.0
Zinc	2000	1920	96.0

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23433 Units: ug/l

Time:		10:19	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	78700	98.4
Antimony	4000	4040	101.0
Arsenic	4000	4090	102.3
Barium	4000	3970	99.3
Beryllium	4000	3970	99.3
Cadmium	4000	3950	98.8
Calcium	80000	77800	97.3
Chromium	4000	3940	98.5
Cobalt	4000	3950	98.8
Copper	4000	3990	99.8
Iron	80000	78400	98.0
Lead	4000	4010	100.3
Magnesium	80000	81100	101.4
Manganese	4000	3940	98.5
Molybdenum			
Nickel	4000	3940	98.5
Palladium			
Potassium	80000	80100	100.1
Selenium	4000	4110	102.8
Silicon			
Silver	500	501	100.2
Sodium	80000	83000	103.8
Thallium	4000	4030	100.8
Tin			
Vanadium	4000	4090	102.3
Zinc	4000	3930	98.3

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23433 Units: ug/l

Time:				10:57		16:38	
Sample ID:	CRI	CRIA	CRID	CRID1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum			100	92.7	92.7	87.4	87.4
Antimony	120		3.0				
Arsenic	20	3.0	3.0				
Barium	400		4.0	3.8	95.0	3.9	97.5
Beryllium	10	1.0	1.0	1.0	100.0	1.0	100.0
Cadmium	10		1.0				
Calcium			1000	934	93.4	980	98.0
Chromium	20		2.0	2.2	110.0	2.2	110.0
Cobalt	100		3.0	2.6	86.7	2.3	76.7
Copper	50		2.0	1.2	60.0	2.4	120.0
Iron							
Lead	6.0		2.5				
Magnesium			100	98.7	98.7	105	105.0
Manganese	30		3.0	3.1	103.3	3.3	110.0
Molybdenum	40						
Nickel	80		4.0	4.7	117.5	4.9	122.5
Palladium	100						
Potassium			2000	2450	122.5	2550	127.5
Selenium	10		5.0				
Silicon							
Silver	20		1.0	1.0	100.0	1.4	140.0
Sodium			1000				
Thallium	20	2.0	2.0				
Tin							
Vanadium	100		2.0	2.1	105.0	2.0	100.0
Zinc	40		10	9.9	99.0	11.7	117.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23433 Units: ug/l

Time:		10:32		16:32	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200	190	95.0	182	91.0
Antimony	6.0	3.8	63.3 (a)	5.6	93.3
Arsenic	8.0	10.7	133.8(a)	9.6	120.0
Barium	200	206	103.0	210	105.0
Beryllium	5.0	5.5	110.0	5.6	112.0
Cadmium	3.0	3.4	113.3	3.1	103.3
Calcium	5000	5090	101.8	5210	104.2
Chromium	10	11.2	112.0	11.5	115.0
Cobalt	50	53.0	106.0	54.9	109.8
Copper	10	10.3	103.0	11.4	114.0
Iron	100	126	126.0(a)	132	132.0(a)
Lead	3.0	4.1	136.7(a)	3.4	113.3
Magnesium	5000	5000	100.0	5070	101.4
Manganese	15	16.5	110.0	17.0	113.3
Molybdenum	20				
Nickel	10	11.7	117.0	10.9	109.0
Palladium	50				
Potassium	10000	10200	102.0	10400	104.0
Selenium	10	12.5	125.0(b)	15.0	150.0(b)
Silicon	200				
Silver	10	10.9	109.0	11.0	110.0
Sodium	10000	10400	104.0	10300	103.0
Thallium	10	13.8	138.0(b)	11.0	110.0
Tin	10				
Vanadium	50	54.7	109.4	54.6	109.2
Zinc	20	21.0	105.0	22.6	113.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Outside of client specified limits for job(s) JA31372, JA32306 but within Accutest SOP limits.
(b) Outside of client specified limits for job(s) JA31372,JA32306 but within Accutest SOP limits.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23433 Units: ug/l

Time:			12:02		12:08		16:57		17:04	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	478000	95.6	483000	96.6	482000	96.4	489000	97.8
Antimony		1000	0.78		1040	104.0	11.9		1070	107.0
Arsenic		1000	-3.5		1030	103.0	-1.6		1040	104.0
Barium		500	5.3		521	104.2	5.2		523	104.6
Beryllium		500	0.13		484	96.8	0.11		502	100.4
Cadmium		1000	2.9		935	93.5	4.2		969	96.9
Calcium	400000	400000	352000	88.0	354000	88.5	360000	90.0	365000	91.3
Chromium		500	4.8		478	95.6	5.5		489	97.8
Cobalt		500	-2.9		469	93.8	-2.6		491	98.2
Copper		500	-2.1		502	100.4	0.043		510	102.0
Iron	200000	200000	192000	96.0	190000	95.0	193000	96.5	191000	95.5
Lead		1000	2.3		963	96.3	0.99		1000	100.0
Magnesium	500000	500000	502000	100.4	506000	101.2	502000	100.4	508000	101.6
Manganese		500	2.3		482	96.4	2.5		493	98.6
Molybdenum		500	2.9		499	99.8	1.3		497	99.4
Nickel		1000	1.4		924	92.4	2.5		945	94.5
Palladium		500	-4.1		513	102.6	-5.6		525	105.0
Potassium			977		1030		1060		1130	
Selenium		1000	-5.1		1010	101.0	-1.8		1040	104.0
Silicon			-46		-44		-36		-36	
Silver		1000	-0.22		976	97.6	0.20		988	98.8
Sodium			308		701		496		636	
Thallium		1000	-2.1		1030	103.0	-9.2		1010	101.0
Tin			-4.2		-4.7		-6.8		-2.7	
Vanadium		500	-1.6		498	99.6	-1.9		494	98.8
Zinc		1000	-0.77		918	91.8	1.2		954	95.4

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23433 Units: ug/l

Time:			00:41		00:47		07:41		07:47	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3		ICSA4		ICSAB4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	476000	95.2	482000	96.4	482000	96.4	485000	97.0
Antimony		1000	1.2		1040	104.0	0.95		1060	106.0
Arsenic		1000	-6.7		1030	103.0	-9.4		1050	105.0
Barium		500	5.2		518	103.6	4.6		520	104.0
Beryllium		500	0.13		493	98.6	-0.013		499	99.8
Cadmium		1000	3.2		948	94.8	1.8		963	96.3
Calcium	400000	400000	353000	88.3	358000	89.5	360000	90.0	363000	90.8
Chromium		500	6.1		480	96.0	2.0		486	97.2
Cobalt		500	-2.6		479	95.8	-7.9		484	96.8
Copper		500	-0.49		503	100.6	-4.8		504	100.8
Iron	200000	200000	191000	95.5	190000	95.0	195000	97.5	192000	96.0
Lead		1000	0.56		981	98.1	3.4		995	99.5
Magnesium	500000	500000	499000	99.8	506000	101.2	509000	101.8	512000	102.4
Manganese		500	2.4		484	96.8	1.9		489	97.8
Molybdenum		500	1.3		493	98.6	3.0		499	99.8
Nickel		1000	1.4		931	93.1	-1.2		946	94.6
Palladium		500	-3.9		515	103.0	-21		520	104.0
Potassium			1020		1070		1030		1080	
Selenium		1000	-6.3		1030	103.0	-1.6		1040	104.0
Silicon			-38		-40		-59		-39	
Silver		1000	0.48		975	97.5	-4.3		981	98.1
Sodium			442		810		357		636	
Thallium		1000	-8.8		1010	101.0	0.013		1020	102.0
Tin			-6.3		-3.9		-5.4		-4.2	
Vanadium		500	-2.2		494	98.8	-1.4		497	99.4
Zinc		1000	0.095		938	93.8	-1.1		952	95.2

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT110909M1.DAT Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23433 Units: ug/l

Time:			08:54		09:01	
Sample ID:	ICSA	ICSAB	ICSA5		ICSAB5	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	460000	92.0	476000	95.2
Antimony		1000	-5.7		1010	101.0
Arsenic		1000	-4.3		1030	103.0
Barium		500	4.9		518	103.6
Beryllium		500	0.024		487	97.4
Cadmium		1000	2.1		944	94.4
Calcium	400000	400000	340000	85.0	353000	88.3
Chromium		500	4.7		485	97.0
Cobalt		500	-2.7		466	93.2
Copper		500	-1.8		498	99.6
Iron	200000	200000	188000	94.0	191000	95.5
Lead		1000	5.2		969	96.9
Magnesium	500000	500000	492000	98.4	510000	102.0
Manganese		500	2.4		480	96.0
Molybdenum		500	2.2		499	99.8
Nickel		1000	1.9		932	93.2
Palladium		500	-5.7		506	101.2
Potassium			957		1020	
Selenium		1000	-3.6		1020	102.0
Silicon			-43		-40	
Silver		1000	-0.59		974	97.4
Sodium			500		607	
Thallium		1000	8.3		1030	103.0
Tin			-5.8		-3.2	
Vanadium		500	-1.4		503	100.6
Zinc		1000	-0.43		936	93.6

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA23434-STD1	1		STDA
10:19	MA23434-STD2	1		STDB
10:25	MA23434-CCV1	1		
10:31	MA23434-CCB1	1		
10:38	MA23434-STD3	1		STDA
10:45	MA23434-STD4	1		STDB
10:49	MA23434-HSTD1	1		
10:55	MA23434-CRIB1	1		
11:01	MA23434-CRID1	1		
11:08	MA23434-ICV1	1		
11:16	MA23434-ICB1	1		
11:28	MA23434-ICCV1	1		
11:35	MA23434-CCB2	1		
11:40	MA23434-ICSA1	1		
11:46	MA23434-ICSAB1	1		
11:52	MA23434-CCV2	1		
11:58	MA23434-CCB3	1		
12:04	MA23434-CCV3	1		
12:10	MA23434-CCB4	1		
12:16	ZZZZZZ	1		
12:22	MA23434-CCV4	1		
12:28	MA23434-CCB5	1		
12:37	ZZZZZZ	1		
12:43	MP50421-MB1	1		CCB out
12:49	MP50421-LC1	1		CCB out
12:55	MP50421-S1	1		CCB out
13:00	MP50421-S2	1		CCB out
13:06	JA31456-1	1		(sample used for QC only; not part of login JA31420)
13:12	MP50421-SD1	5		CCB out
13:18	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:36	MA23434-CCV5	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	13:42	MA23434-CCB6	1		
	13:48	ZZZZZZ	1		
	13:54	ZZZZZZ	1		
	14:00	ZZZZZZ	1		
	14:06	MA23434-CCV6	1		
	14:12	MA23434-CCB7	1		
	14:18	MP50421-MB1	1		
---------->	Last reportable sample/prep for job JA31420				
	14:24	ZZZZZZ	1		
	14:30	ZZZZZZ	1		
	14:36	ZZZZZZ	1		
	14:42	ZZZZZZ	1		
	14:48	MP50413-B1	1		
	14:54	MP50413-S1	1		
	15:00	MP50413-S2	1		
	15:06	JA31319-11	1		(sample used for QC only; not part of login JA31420)
	15:12	ZZZZZZ	5		
	15:18	MA23434-CCV7	1		
	15:24	MA23434-CCB8	1		
	15:30	MP50413-MB1	1		
	15:36	MP50413-SD1	5		
	15:42	ZZZZZZ	1		
	15:48	ZZZZZZ	1		
	15:54	ZZZZZZ	1		
	16:00	ZZZZZZ	1		
	16:07	ZZZZZZ	3		
	16:13	ZZZZZZ	1		
	16:19	ZZZZZZ	1		
	16:25	MA23434-CCV8	1		
	16:31	MA23434-CCB9	1		
	16:37	MA23434-CRIB2	1		
	16:43	MA23434-CRID2	1		
	16:49	MA23434-ICSA2	1		
	16:55	MA23434-ICSAB2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:01	ZZZZZZ	1		
	17:07	MA23434-CCV9	1		
	17:13	MA23434-CCB10	1		
---------->	Last reportable CCB for job JA31420				
	17:19	ZZZZZZ	1		
	17:25	ZZZZZZ	5		
	17:31	ZZZZZZ	1		
	17:37	ZZZZZZ	25		
	17:43	ZZZZZZ	1		
	17:49	ZZZZZZ	1		
	17:55	ZZZZZZ	1		
	18:01	MP50396-SD1	5		
	18:07	MP50430-MB1	1		CCB out
	18:13	MP50430-LC1	1		CCB out
	18:19	MA23434-CCV10	1		
	18:25	MA23434-CCB11	1		
	18:31	ZZZZZZ	1		
	18:37	ZZZZZZ	2		
	18:43	ZZZZZZ	1		
	18:49	ZZZZZZ	1		
	18:55	ZZZZZZ	1		
	19:02	ZZZZZZ	1		
	19:08	ZZZZZZ	5		
	19:14	ZZZZZZ	3		
	19:20	ZZZZZZ	1		
	19:26	ZZZZZZ	5		
	19:32	MA23434-CCV11	1		
	19:38	MA23434-CCB12	1		
	19:44	MP50430-S1	1		CCB out for TLNJ for the batch
	19:50	MP50430-S2	1		
	19:55	JA31459-1	1		(sample used for QC only; not part of login JA31420)
	20:01	MP50430-SD1	5		
	20:07	ZZZZZZ	1		
	20:13	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:19	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:43	MA23434-CCV12	1		
20:49	MA23434-CCB13	1		
20:55	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:18	ZZZZZZ	1		
21:24	ZZZZZZ	1		
21:30	ZZZZZZ	1		
21:36	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:54	MA23434-CCV13	1		
22:00	MA23434-CCB14	1		
22:06	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:18	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:30	MP50461-MB1	1		CCB out
22:36	MP50461-LC1	1		CCB out
22:42	MP50461-S1	1		CCB out
22:48	MP50461-S2	1		CCB out
22:54	JA31473-8	1		(sample used for QC only; not part of login JA31420)
22:59	MP50461-SD1	5		CCB out
23:06	MA23434-CCV14	1		
23:11	MA23434-CCB15	1		
23:17	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:35	ZZZZZZ	1		
23:41	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:05	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:17	MA23434-CCV15	1		
00:23	MA23434-CCB16	1		
00:29	MA23434-ICSA3	1		
00:35	MA23434-ICSAB3	1		
00:41	MA23434-CCV16	1		
00:47	MA23434-CCB17	1		
00:53	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:11	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:24	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:36	ZZZZZZ	1		
01:42	ZZZZZZ	1		
01:48	MA23434-CCV17	1		
01:54	MA23434-CCB18	1		
02:00	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:12	ZZZZZZ	1		
02:18	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:30	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:48	MP50462-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:54	MP50462-LC1	1		
02:59	MA23434-CCV18	1		
03:05	MA23434-CCB19	1		
03:11	MP50462-S1	1		
03:17	MP50462-S2	1		
03:23	JA31963-2	1		(sample used for QC only; not part of login JA31420)
03:29	MP50462-SD1	5		
03:35	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:47	ZZZZZZ	1		
03:53	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:11	MA23434-CCV19	1		
04:17	MA23434-CCB20	1		
04:23	ZZZZZZ	1		
04:29	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		
04:53	ZZZZZZ	1		
04:59	ZZZZZZ	1		
05:05	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:18	ZZZZZZ	1		
05:24	MA23434-CCV20	1		
05:30	MA23434-CCB21	1		
05:36	ZZZZZZ	1		
05:42	ZZZZZZ	1		
05:48	MP50449-MB1	1		Cu > 1/2 Dl (EXQC)
05:54	MP50449-LC1	1		
06:00	MP50449-B1	1		
06:06	MP50449-S1	1		CCB out

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:12	MP50449-S2	1		CCB out
06:18	JA32058-1	1		(sample used for QC only; not part of login JA31420)
06:24	MP50449-SD1	5		CCB out
06:30	ZZZZZZ	1		
06:36	MA23434-CCV21	1		
06:41	MA23434-CCB22	1		
06:48	MA23434-ICSA4	1		
06:54	MA23434-ICSAB4	1		
07:00	ZZZZZZ	1		
07:06	ZZZZZZ	1		
07:12	MA23434-CCV22	1		
07:18	MA23434-CCB23	1		
07:24	ZZZZZZ	1		
07:30	ZZZZZZ	1		
07:36	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:54	ZZZZZZ	1		
08:00	ZZZZZZ	1		
08:05	ZZZZZZ	1		
08:11	ZZZZZZ	1		
08:17	ZZZZZZ	1		
08:23	MA23434-CCV23	1		
08:29	MA23434-CCB24	1		
08:35	ZZZZZZ	1		
08:41	ZZZZZZ	1		
08:47	ZZZZZZ	1		
08:56	ZZZZZZ	2		
09:02	ZZZZZZ	2		
09:08	MA23434-CCV24	1		
09:14	MA23434-CCB25	1		
09:20	MA23434-ICSA5	1		
09:26	MA23434-ICSAB5	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:32	MA23434-CCV25	1		
09:38	MA23434-CCB26	1		
09:44	ZZZZZZ	1		
09:50	ZZZZZZ	1		
09:56	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:13	MA23434-STD1	1690 R	109520 R	30501 R	4655 R
10:19	MA23434-STD2	1576	102520	29950	3985
10:25	MA23434-CCV1	1629	105870	30161	4225
10:31	MA23434-CCB1	1678	110080	30658	4620
10:38	MA23434-STD3	1699	109900	30574	4662
10:45	MA23434-STD4	1578	102460	29583	3985
10:49	MA23434-HSTD1	1578	102210	29501	3988
10:55	MA23434-CRIB1	1673	108950	30088	4560
11:01	MA23434-CRID1	1679	109490	30255	4623
11:08	MA23434-ICV1	1673	108860	30082	4534
11:16	MA23434-ICB1	1689	110530	30059	4646
11:28	MA23434-ICCV1	1642	106200	29707	4260
11:35	MA23434-CCB2	1698	110720	29980	4659
11:40	MA23434-ICSA1	1505	97488	28522	3556
11:46	MA23434-ICSAB1	1511	96594	28554	3557
11:52	MA23434-CCV2	1662	107000	29531	4286
11:58	MA23434-CCB3	1720	111230	29895	4700
12:04	MA23434-CCV3	1665	107420	29485	4293
12:10	MA23434-CCB4	1731	111660	29928	4713
12:16	ZZZZZZ	1730	112390	30694	4774
12:22	MA23434-CCV4	1670	107580	29415	4292
12:28	MA23434-CCB5	1735	111760	29877	4731
12:37	ZZZZZZ	1716	111440	29916	4678
12:43	MP50421-MB1	1710	111510	29746	4706
12:49	MP50421-LC1	1710	110790	29759	4604
12:55	MP50421-S1	1624	106390	29284	4262
13:00	MP50421-S2	1624	106790	29848	4259
13:06	JA31456-1	1653	107910	29480	4404
13:12	MP50421-SD1	1721	111360	29772	4665
13:18	ZZZZZZ	1546	101230	28433	3970
13:24	ZZZZZZ	1678	107920	29254	4447
13:30	ZZZZZZ	1581	103050	28526	4108
13:36	MA23434-CCV5	1696	108610	29373	4336

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:42	MA23434-CCB6	1764	112820	29689	4772
13:48	ZZZZZZ	1763	113070	30988	5012
13:54	ZZZZZZ	1735	115210	31657	4930
14:00	ZZZZZZ	1741	113050	30361	4778
14:06	MA23434-CCV6	1686	108430	29151	4309
14:12	MA23434-CCB7	1755	112970	29727	4757
14:18	MP50421-MB1	1756	112490	29625	4761
14:24	ZZZZZZ	1748	112290	29694	4759
14:30	ZZZZZZ	1756	112800	29738	4779
14:36	ZZZZZZ	1746	112630	29608	4752
14:42	ZZZZZZ	1742	113430	30447	4389
14:48	MP50413-B1	1743	111760	29472	4539
14:54	MP50413-S1	1742	112360	30686	4072
15:00	MP50413-S2	1760	113030	30613	4100
15:06	JA31319-11	1677	109160	30079	3898
15:12	ZZZZZZ	7287 !	313090 !	49702 !	16247 !
15:18	MA23434-CCV7	1718	108870	28931	4358
15:24	MA23434-CCB8	1799	113420	29346	4846
15:30	MP50413-MB1	1774	113850	29916	4819
15:36	MP50413-SD1	1740	111330	29400	4470
15:42	ZZZZZZ	1761	113460	30143	4430
15:48	ZZZZZZ	1753	113840	30665	4162
15:54	ZZZZZZ	1781	114580	30796	4203
16:00	ZZZZZZ	1579	105020	28816	3824
16:07	ZZZZZZ	1699	109260	29110	4327
16:13	ZZZZZZ	1784	112740	29181	4740
16:19	ZZZZZZ	1786	112810	28961	4749
16:25	MA23434-CCV8	1727	109470	28769	4381
16:31	MA23434-CCB9	1786	113640	29221	4808
16:37	MA23434-CRIB2	1776	112900	29028	4726
16:43	MA23434-CRID2	1776	113520	29129	4785
16:49	MA23434-ICSA2	1563	99516	27786	3640
16:55	MA23434-ICSAB2	1568	99347	27815	3651

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:01	ZZZZZZ	1763	113440	29689	4813
17:07	MA23434-CCV9	1701	108750	28682	4343
17:13	MA23434-CCB10	1762	112830	29159	4773
17:19	ZZZZZZ	1427	92416	27054	3526
17:25	ZZZZZZ	1637	105370	28602	4262
17:31	ZZZZZZ	1656	107870	28573	4366
17:37	ZZZZZZ	1681	106530	27818	4312
17:43	ZZZZZZ	1079	70806	23292	2455 !
17:49	ZZZZZZ	1072	71092	23746	2428 !
17:55	ZZZZZZ	1783	113610	28297	4809
18:01	MP50396-SD1	1762	112320	28162	4606
18:07	MP50430-MB1	1760	117160	28044	4787
18:13	MP50430-LC1	1751	112450	28172	4679
18:19	MA23434-CCV10	1725	109710	27777	4394
18:25	MA23434-CCB11	1806	114260	28053	4863
18:31	ZZZZZZ	1711	110860	28626	4073
18:37	ZZZZZZ	1717	111380	28537	4441
18:43	ZZZZZZ	1668	107460	27755	4069
18:49	ZZZZZZ	1669	108610	28136	4015
18:55	ZZZZZZ	1609	106110	28256	4009
19:02	ZZZZZZ	1576	105770	27463	3928
19:08	ZZZZZZ	1669	104460	26960	4268
19:14	ZZZZZZ	1636	104600	27053	4155
19:20	ZZZZZZ	1433	91715	25548	3453
19:26	ZZZZZZ	1657	105350	26967	4229
19:32	MA23434-CCV11	1734	109870	27161	4400
19:38	MA23434-CCB12	1799	113840	27584	4833
19:44	MP50430-S1	1742	110830	27446	4563
19:50	MP50430-S2	1724	110910	27461	4531
19:55	JA31459-1	1766	112970	27721	4761
20:01	MP50430-SD1	1808	113610	27603	4873
20:07	ZZZZZZ	1754	112960	27642	4774
20:13	ZZZZZZ	1464	93915	25691	3487

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:19	ZZZZZZ	1789	115330	28567	4559
20:25	ZZZZZZ	1735	112470	27982	4480
20:31	ZZZZZZ	1603	103390	27132	3834
20:37	ZZZZZZ	1754	113940	27947	4575
20:43	MA23434-CCV12	1703	109010	26896	4343
20:49	MA23434-CCB13	1772	113410	27225	4781
20:55	ZZZZZZ	1765	114480	28045	4575
21:01	ZZZZZZ	1760	113860	27769	4618
21:07	ZZZZZZ	1714	111100	27374	4431
21:13	ZZZZZZ	1796	115830	28500	4532
21:18	ZZZZZZ	1750	114220	27422	4565
21:24	ZZZZZZ	1766	113520	27789	4647
21:30	ZZZZZZ	1733	112570	28005	4246
21:36	ZZZZZZ	1752	112970	27372	4781
21:42	ZZZZZZ	1693	107310	26955	4446
21:48	ZZZZZZ	1709	110220	26298	4566
21:54	MA23434-CCV13	1739	108170	26654	4424
22:00	MA23434-CCB14	1781	113020	27059	4806
22:06	ZZZZZZ	1615	103300	26373	4117
22:12	ZZZZZZ	1775	111380	27182	4837
22:18	ZZZZZZ	1682	107520	26742	4411
22:24	ZZZZZZ	1780	113790	27580	4844
22:30	MP50461-MB1	1733	112300	27119	4730
22:36	MP50461-LC1	1714	111080	27166	4613
22:42	MP50461-S1	1683	109970	27076	4435
22:48	MP50461-S2	1678	108010	27301	4428
22:54	JA31473-8	1723	112430	27599	4662
22:59	MP50461-SD1	1711	111980	27287	4668
23:06	MA23434-CCV14	1654	107250	26815	4264
23:11	MA23434-CCB15	1713	108990	27110	4683
23:17	ZZZZZZ	1683	111040	27215	4650
23:23	ZZZZZZ	1716	112610	27622	4634
23:29	ZZZZZZ	1669	109370	27044	4536

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:35	ZZZZZZ	1788	116430	28474	4697
23:41	ZZZZZZ	1696	111190	27289	4620
23:47	ZZZZZZ	1699	111510	27308	4673
23:53	ZZZZZZ	1724	111840	26997	4707
23:59	ZZZZZZ	1752	114350	27661	4696
00:05	ZZZZZZ	1696	110200	26936	4594
00:11	ZZZZZZ	1807	117530	28527	4704
00:17	MA23434-CCV15	1684	108110	26721	4319
00:23	MA23434-CCB16	1722	112310	27072	4698
00:29	MA23434-ICSA3	1534	98762	25716	3601
00:35	MA23434-ICSAB3	1536	98666	25633	3601
00:41	MA23434-CCV16	1667	108160	26681	4275
00:47	MA23434-CCB17	1754	112420	26833	4756
00:53	ZZZZZZ	1743	112020	26882	4743
00:59	ZZZZZZ	1751	112530	26947	4753
01:05	ZZZZZZ	1750	112330	26918	4728
01:11	ZZZZZZ	1715	110570	26872	4615
01:17	ZZZZZZ	1593	103520	25835	4127
01:24	ZZZZZZ	1791	109320	28007	4319
01:30	ZZZZZZ	1590	103000	25767	4148
01:36	ZZZZZZ	1736	112460	26854	4729
01:42	ZZZZZZ	1747	112410	26760	4739
01:48	MA23434-CCV17	1686	108460	26447	4317
01:54	MA23434-CCB18	1750	112480	26811	4747
02:00	ZZZZZZ	1722	111930	26985	4676
02:06	ZZZZZZ	1722	112030	27025	4697
02:12	ZZZZZZ	1733	112440	27064	4687
02:18	ZZZZZZ	1729	111930	26842	4721
02:24	ZZZZZZ	1659	108690	26620	4449
02:30	ZZZZZZ	1592	104640	26284	4168
02:36	ZZZZZZ	1671	109720	26658	4506
02:42	ZZZZZZ	1695	110250	26810	4579
02:48	MP50462-MB1	1730	112210	26740	4725

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:54	MP50462-LC1	1718	111750	26721	4619
02:59	MA23434-CCV18	1688	108300	26305	4317
03:05	MA23434-CCB19	1755	112670	26553	4756
03:11	MP50462-S1	1551	102630	26053	3953
03:17	MP50462-S2	1555	102510	26044	3968
03:23	JA31963-2	1577	101370	26046	4052
03:29	MP50462-SD1	1707	109980	26524	4548
03:35	ZZZZZZ	1732	112350	26739	4714
03:41	ZZZZZZ	1724	112330	26920	4705
03:47	ZZZZZZ	1715	111850	26828	4660
03:53	ZZZZZZ	1729	112320	26780	4718
03:59	ZZZZZZ	1550	102390	25754	4073
04:05	ZZZZZZ	1561	102700	25865	4060
04:11	MA23434-CCV19	1695	109000	26270	4326
04:17	MA23434-CCB20	1747	112620	26459	4738
04:23	ZZZZZZ	1466	95076	24986	3632
04:29	ZZZZZZ	1657	108800	26631	4442
04:35	ZZZZZZ	1616	105600	26204	4261
04:41	ZZZZZZ	1616	106440	26283	4246
04:47	ZZZZZZ	1627	107100	26251	4312
04:53	ZZZZZZ	1588	104120	25932	4168
04:59	ZZZZZZ	1547	100800	25735	3898
05:05	ZZZZZZ	1183	87688	24686	2676 !
05:12	ZZZZZZ	1516	99551	24980	3891
05:18	ZZZZZZ	1437	94477	24870	3211
05:24	MA23434-CCV20	1702	108400	25656	4327
05:30	MA23434-CCB21	1772	112700	25961	4768
05:36	ZZZZZZ	1657	105530	24559	4216
05:42	ZZZZZZ	1636	105520	25486	4110
05:48	MP50449-MB1	1750	113020	26305	4766
05:54	MP50449-LC1	1733	112090	26544	4352
06:00	MP50449-B1	1728	111300	25920	4509
06:06	MP50449-S1	1727	111150	26144	4445

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:12	MP50449-S2	1741	111690	26232	4453
06:18	JA32058-1	1766	113660	26422	4649
06:24	MP50449-SD1	1758	113360	26024	4719
06:30	ZZZZZZ	1726	111990	26240	4563
06:36	MA23434-CCV21	1695	108550	25588	4330
06:41	MA23434-CCB22	1764	113100	25864	4761
06:48	MA23434-ICSA4	1555	99327	24733	3635
06:54	MA23434-ICSAB4	1557	99429	24568	3630
07:00	ZZZZZZ	1362	89083	23426	3269
07:06	ZZZZZZ	1758	112820	25715	4755
07:12	MA23434-CCV22	1700	108440	25314	4341
07:18	MA23434-CCB23	1751	112560	25654	4745
07:24	ZZZZZZ	1684	109930	26275	4022
07:30	ZZZZZZ	1774	114530	26840	4398
07:36	ZZZZZZ	1776	115120	26450	4578
07:42	ZZZZZZ	1786	115850	26878	4452
07:48	ZZZZZZ	1740	114050	26737	4286
07:54	ZZZZZZ	1744	113320	26006	4653
08:00	ZZZZZZ	1731	112800	25871	4639
08:05	ZZZZZZ	1729	112800	26067	4593
08:11	ZZZZZZ	1740	113220	25886	4631
08:17	ZZZZZZ	1739	113240	26137	4588
08:23	MA23434-CCV23	1681	107780	24986	4308
08:29	MA23434-CCB24	1727	112130	25465	4694
08:35	ZZZZZZ	1725	112450	25842	4561
08:41	ZZZZZZ	1712	112070	25846	4538
08:47	ZZZZZZ	1719	112020	25981	4575
08:56	ZZZZZZ	1606	106630	25606	4174
09:02	ZZZZZZ	1589	106480	25121	4118
09:08	MA23434-CCV24	1631	105220	24566	4213
09:14	MA23434-CCB25	1679	109420	24922	4598
09:20	MA23434-ICSA5	1528	98333	24124	3556
09:26	MA23434-ICSAB5	1509	98084	24160	3518

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23434
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:32	MA23434-CCV25	1664	108120	25005	4233
09:38	MA23434-CCB26	1722	112210	25333	4637
09:44	ZZZZZZ	1742	110990	25360	4655
09:50	ZZZZZZ	1765	113320	26030	4748
09:56	ZZZZZZ	1704	111140	25375	4555

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23434 Units: ug/l

Time:			11:16		11:35		11:58		12:10	
Sample ID:			ICB1		CCB2		CCB3		CCB4	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	0.70	<200	16.3	<200	31.2	<200*(a)	12.7	<200
Antimony	6.0	1.3	0.30	<6.0	0.90	<6.0	-1.1	<6.0	0.70	<6.0
Arsenic	3.0	1	0.10	<3.0	1.1	<3.0	0.40	<3.0	0.50	<3.0
Barium	200	.5	0.40	<200	1.4	<200	0.70	<200	0.70	<200
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	0.40	<3.0	0.80	<3.0	0.10	<3.0	0.80	<3.0
Calcium	5000	17	0.30	<5000	26.5	<5000	40.8	<5000	15.8	<5000
Chromium	10	.4	0.50	<10	1.4	<10* (a)	1.0	<10	0.80	<10
Cobalt	50	.4	0.50	<50	0.90	<50	-0.10	<50	0.70	<50
Copper	10	.6	0.40	<10	1.0	<10	0.60	<10	0.50	<10
Iron	100	9.3	2.9	<100	25.1	<100	20.8	<100	13.0	<100
Lead	3.0	.9	0.70	<3.0	0.80	<3.0	-0.60	<3.0	0.90	<3.0
Magnesium	5000	14	2.7	<5000	24.1	<5000	48.9	<5000	8.5	<5000
Manganese	15	.3	0.70	<15	1.5	<15	0.90	<15	1.0	<15
Molybdenum	20	2.7								
Nickel	10	2.3	0.30	<10	0.80	<10	0.0	<10	0.60	<10
Palladium	50	1.5								
Potassium	10000	36	-4.1	<10000	55.9	<10000	72.6	<10000	55.3	<10000
Selenium	10	1.2	0.40	<10	1.1	<10	1.1	<10	1.4	<10
Silicon	200	7.4								
Silver	10	.5	0.20	<10	0.0	<10	-0.10	<10	-0.20	<10
Sodium	10000	15	8.9	<10000	36.9	<10000	16.0	<10000	18.3	<10000
Strontium	10	.4								
Thallium	2.0	1.7	1.0	<2.0	1.9	<2.0	0.70	<2.0	2.4	* (b)
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	0.60	<50	1.5	<50	0.70	<50	0.80	<50
Zinc	20	3.6	0.60	<20	0.80	<20	0.10	<20	0.80	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >100x CCB value.
(b) No samples reported for TLNJ in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23434 Units: ug/l

Time:			12:28		13:42		14:12		15:24	
Sample ID:			CCB5		CCB6		CCB7		CCB8	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	12.5	<200	17.2	<200	-1.4	<200	20.2	<200
Antimony	6.0	1.3	-0.20	<6.0	0.90	<6.0	0.10	<6.0	0.70	<6.0
Arsenic	3.0	1	-0.30	<3.0	0.40	<3.0	0.10	<3.0	1.3	<3.0
Barium	200	.5	0.90	<200	1.4	<200	0.10	<200	1.1	<200
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	-0.10	<3.0	0.90	<3.0	0.30	<3.0	0.70	<3.0
Calcium	5000	17	15.2	<5000	34.3	<5000	-6.0	<5000	31.0	<5000
Chromium	10	.4	0.90	<10	1.2	<10	0.30	<10	1.0	<10
Cobalt	50	.4	0.0	<50	0.70	<50	0.20	<50	0.80	<50
Copper	10	.6	0.50	<10	0.60	<10	-0.30	<10	0.50	<10
Iron	100	9.3	15.5	<100	22.5	<100	-0.10	<100	27.4	<100
Lead	3.0	.9	-0.40	<3.0	1.5	<3.0	0.60	<3.0	0.70	<3.0
Magnesium	5000	14	23.0	<5000	26.1	<5000	1.7	<5000	22.4	<5000
Manganese	15	.3	0.80	<15	1.4	<15	0.30	<15	1.7	<15* (a)
Molybdenum	20	2.7								
Nickel	10	2.3	-0.10	<10	0.90	<10	-0.10	<10	0.80	<10
Palladium	50	1.5								
Potassium	10000	36	59.2	<10000	76.4	<10000	28.7	<10000	102	<10000
Selenium	10	1.2	0.80	<10	0.60	<10	0.10	<10	1.8	<10
Silicon	200	7.4								
Silver	10	.5	-0.40	<10	-0.20	<10	-0.50	<10	-0.50	<10
Sodium	10000	15	18.1	<10000	36.5	<10000	-5.2	<10000	18.1	<10000
Strontium	10	.4								
Thallium	2.0	1.7	0.50	<2.0	1.9	<2.0	0.70	<2.0	1.7	<2.0
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	0.70	<50	1.1	<50	0.30	<50	0.90	<50
Zinc	20	3.6	0.0	<20	0.90	<20	0.30	<20	0.70	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >100x CCB value.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23434 Units: ug/l

Time:			16:31		17:13	
Sample ID:			CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	8	6.7	<200	12.7	<200
Antimony	6.0	1.3	0.30	<6.0	0.10	<6.0
Arsenic	3.0	1	0.0	<3.0	0.0	<3.0
Barium	200	.5	0.50	<200	0.50	<200
Beryllium	1.0	.4	anr			
Boron	100	1				
Cadmium	3.0	.3	0.30	<3.0	0.50	<3.0
Calcium	5000	17	9.0	<5000	14.1	<5000
Chromium	10	.4	1.0	<10	0.20	<10
Cobalt	50	.4	0.30	<50	0.40	<50
Copper	10	.6	0.30	<10	0.20	<10
Iron	100	9.3	10.2	<100	10.2	<100
Lead	3.0	.9	0.20	<3.0	0.70	<3.0
Magnesium	5000	14	7.4	<5000	15.7	<5000
Manganese	15	.3	0.90	<15	0.60	<15
Molybdenum	20	2.7				
Nickel	10	2.3	0.30	<10	0.60	<10
Palladium	50	1.5				
Potassium	10000	36	62.2	<10000	28.1	<10000
Selenium	10	1.2	0.80	<10	0.50	<10
Silicon	200	7.4				
Silver	10	.5	-0.30	<10	-0.30	<10
Sodium	10000	15	7.8	<10000	5.8	<10000
Strontium	10	.4				
Thallium	2.0	1.7	1.3	<2.0	1.0	<2.0
Tin	10	.9				
Titanium	10	.5				
Tungsten	50	5.7				
Vanadium	50	.3	0.70	<50	0.30	<50
Zinc	20	3.6	1.1	<20	1.2	<20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23434 Units: ug/l

Time:		11:28	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39500	98.8
Antimony	2000	1990	99.5
Arsenic	2000	2000	100.0
Barium	2000	2030	101.5
Beryllium	anr		
Boron			
Cadmium	2000	2000	100.0
Calcium	40000	40600	101.5
Chromium	2000	2040	102.0
Cobalt	2000	2050	102.5
Copper	2000	1960	98.0
Iron	40000	41300	103.3
Lead	2000	2060	103.0
Magnesium	40000	40000	100.0
Manganese	2000	2060	103.0
Molybdenum			
Nickel	2000	2070	103.5
Palladium			
Potassium	40000	40300	100.8
Selenium	2000	2000	100.0
Silicon			
Silver	250	246	98.4
Sodium	40000	40400	101.0
Strontium			
Thallium	2000	2030	101.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2040	102.0
Zinc	2000	2050	102.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23434 Units: ug/l

Time:		11:08			11:52			12:04	
Sample ID:	ICV	ICV1		CCV	CCV2		CCV	CCV3	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	5000	4870	97.4	40000	39900	99.8	40000	39800	99.5
Antimony	1000	985	98.5	2000	1980	99.0	2000	1980	99.0
Arsenic	1000	987	98.7	2000	1980	99.0	2000	1980	99.0
Barium	1000	983	98.3	2000	2030	101.5	2000	2030	101.5
Beryllium	anr								
Boron									
Cadmium	1000	991	99.1	2000	2000	100.0	2000	2010	100.5
Calcium	5000	5020	100.4	40000	41200	103.0	40000	41200	103.0
Chromium	1000	1030	103.0	2000	2030	101.5	2000	2030	101.5
Cobalt	1000	1040	104.0	2000	2040	102.0	2000	2050	102.5
Copper	1000	977	97.7	2000	1950	97.5	2000	1950	97.5
Iron	5000	5280	105.6*(a	40000	41400	103.5	40000	41300	103.3
Lead	1000	1080	108.0*(a	2000	2060	103.0	2000	2070	103.5
Magnesium	5000	4820	96.4	40000	40600	101.5	40000	40500	101.3
Manganese	1000	1050	105.0	2000	2060	103.0	2000	2060	103.0
Molybdenum									
Nickel	1000	1060	106.0*(a	2000	2070	103.5	2000	2080	104.0
Palladium									
Potassium	10000	10100	101.0	40000	38900	97.3	40000	38700	96.8
Selenium	1000	983	98.3	2000	2000	100.0	2000	2000	100.0
Silicon									
Silver	500	479	95.8	250	246	98.4	250	246	98.4
Sodium	10000	10100	101.0	40000	39800	99.5	40000	39600	99.0
Strontium									
Thallium	1000	1010	101.0	2000	2020	101.0	2000	2030	101.5
Tin									
Titanium									
Tungsten									
Vanadium	1000	1010	101.0	2000	2040	102.0	2000	2050	102.5
Zinc	1000	1050	105.0	2000	2050	102.5	2000	2070	103.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23434 Units: ug/l

Time:		12:22			13:36			14:06	
Sample ID:	CCV	CCV4		CCV	CCV5		CCV	CCV6	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	39600	99.0	40000	39700	99.3
Antimony	2000	1980	99.0	2000	1960	98.0	2000	1960	98.0
Arsenic	2000	1970	98.5	2000	1950	97.5	2000	1950	97.5
Barium	2000	2030	101.5	2000	2020	101.0	2000	2020	101.0
Beryllium	anr								
Boron									
Cadmium	2000	2010	100.5	2000	2010	100.5	2000	2010	100.5
Calcium	40000	41100	102.8	40000	41400	103.5	40000	41300	103.3
Chromium	2000	2010	100.5	2000	2040	102.0	2000	2000	100.0
Cobalt	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	1950	97.5	2000	1950	97.5	2000	1940	97.0
Iron	40000	41100	102.8	40000	41000	102.5	40000	40800	102.0
Lead	2000	2060	103.0	2000	2060	103.0	2000	2060	103.0
Magnesium	40000	40300	100.8	40000	40500	101.3	40000	40300	100.8
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2090	104.5	2000	2090	104.5	2000	2090	104.5
Palladium									
Potassium	40000	38300	95.8	40000	37300	93.3	40000	36700	91.8
Selenium	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Silicon									
Silver	250	244	97.6	250	246	98.4	250	244	97.6
Sodium	40000	39500	98.8	40000	39000	97.5	40000	38700	96.8
Strontium									
Thallium	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	2060	103.0	2000	2050	102.5
Zinc	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23434 Units: ug/l

Time:		15:18			16:25			17:07	
Sample ID:	CCV	CCV7		CCV	CCV8		CCV	CCV9	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	39800	99.5	40000	39800	99.5
Antimony	2000	1960	98.0	2000	1950	97.5	2000	1960	98.0
Arsenic	2000	1950	97.5	2000	1940	97.0	2000	1950	97.5
Barium	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Beryllium	anr								
Boron									
Cadmium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Calcium	40000	41900	104.8	40000	41700	104.3	40000	41300	103.3
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Cobalt	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Copper	2000	1950	97.5	2000	1950	97.5	2000	1960	98.0
Iron	40000	41200	103.0	40000	40900	102.3	40000	40500	101.3
Lead	2000	2070	103.5	2000	2060	103.0	2000	2060	103.0
Magnesium	40000	40800	102.0	40000	40700	101.8	40000	40200	100.5
Manganese	2000	2090	104.5	2000	2070	103.5	2000	2070	103.5
Molybdenum									
Nickel	2000	2100	105.0	2000	2090	104.5	2000	2090	104.5
Palladium									
Potassium	40000	37400	93.5	40000	36600	91.5	40000	37400	93.5
Selenium	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Silicon									
Silver	250	247	98.8	250	245	98.0	250	245	98.0
Sodium	40000	39100	97.8	40000	38700	96.8	40000	39400	98.5
Strontium									
Thallium	2000	2030	101.5	2000	2010	100.5	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Zinc	2000	2100	105.0	2000	2090	104.5	2000	2080	104.0

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23434 Units: ug/l

Time:		10:49	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	80000	80000	100.0
Antimony	4000	4000	100.0
Arsenic	4000	4010	100.3
Barium	4000	4010	100.3
Beryllium	anr		
Boron			
Cadmium	4000	4000	100.0
Calcium	80000	80700	100.9
Chromium	4000	4010	100.3
Cobalt	4000	4010	100.3
Copper	4000	4050	101.3
Iron	80000	80300	100.4
Lead	4000	4000	100.0
Magnesium	80000	80500	100.6
Manganese	4000	4000	100.0
Molybdenum			
Nickel	4000	4010	100.3
Palladium			
Potassium	80000	80500	100.6
Selenium	4000	4010	100.3
Silicon			
Silver	500	501	100.2
Sodium	80000	80600	100.8
Strontium			
Thallium	4000	4010	100.3
Tin			
Titanium			
Tungsten			
Vanadium	4000	4010	100.3
Zinc	4000	3990	99.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23434 Units: ug/l

Time:				11:01		16:43	
Sample ID:	CRI	CRIA	CRID	CRID1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum			100	94.6	94.6	92.5	92.5
Antimony	120		3.0	2.2	73.3	2.7	90.0
Arsenic	20	3.0	3.0	2.3	76.7	2.4	80.0
Barium	400		4.0	3.9	97.5	4.0	100.0
Beryllium	10	1.0	1.0	anr			
Boron			10				
Cadmium	10		1.0	0.90	90.0	0.80	80.0
Calcium			1000	1020	102.0	1030	103.0
Chromium	20		2.0	1.9	95.0	1.9	95.0
Cobalt	100		3.0	2.4	80.0	2.4	80.0
Copper	50		2.0	1.8	90.0	1.1	55.0
Iron							
Lead	6.0		2.5	2.6	104.0	3.4	136.0
Magnesium			100	95.1	95.1	89.8	89.8
Manganese	30		3.0	3.2	106.7	3.2	106.7
Molybdenum	40						
Nickel	80		4.0	4.4	110.0	4.4	110.0
Palladium	100						
Potassium			2000	2090	104.5	1910	95.5
Selenium	10		5.0	4.7	94.0	4.7	94.0
Silicon							
Silver	20		1.0	0.90	90.0		
Sodium			1000	1050	105.0	989	98.9
Strontium							
Thallium	20	2.0	2.0	1.9	95.0	1.0	50.0
Tin							
Titanium							
Tungsten							
Vanadium	100		2.0	2.3	115.0	1.9	95.0
Zinc	40		10	11.0	110.0	11.4	114.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23434 Units: ug/l

Time:		10:55		16:37	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200	205	102.5	196	98.0
Antimony	6.0	5.8	96.7	6.1	101.7
Arsenic	8.0	9.6	120.0	7.8	97.5
Barium	200	198	99.0	194	97.0
Beryllium	5.0				
Boron	100				
Cadmium	3.0	3.7	123.3(a)	3.0	100.0
Calcium	5000	5060	101.2	5100	102.0
Chromium	10	11.2	112.0	10.4	104.0
Cobalt	50	54.1	108.2	52.2	104.4
Copper	10	9.5	95.0	8.5	85.0
Iron	100	120	120.0	109	109.0
Lead	3.0	3.8	126.7(a)	3.2	106.7
Magnesium	5000	4830	96.6	4850	97.0
Manganese	15	16.9	112.7	16.2	108.0
Molybdenum	20				
Nickel	10	12.2	122.0(a)	11.2	112.0
Palladium	50				
Potassium	10000	10200	102.0	9260	92.6
Selenium	10	9.5	95.0	9.9	99.0
Silicon	200				
Silver	10	9.6	96.0	9.1	91.0
Sodium	10000	10100	101.0	9630	96.3
Strontium	10				
Thallium	10	12.5	125.0(a)	10.1	101.0
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50	53.6	107.2	52.8	105.6
Zinc	20	22.8	114.0	22.1	110.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Outside of client specified limits for job(s) JA31319, JA31372 but within Accutest SOP limits.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB110909M1.ICP Date Analyzed: 11/09/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23434 Units: ug/l

Time:			11:40		11:46		16:49		16:55	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	516000	103.2	507000	101.4	512000	102.4	513000	102.6
Antimony		1000	-0.50		1020	102.0	-1.2		1010	101.0
Arsenic		1000	-2.1		1020	102.0	0.20		997	99.7
Barium		500	8.0		521	104.2	8.2		522	104.4
Beryllium		500	0.10		512	102.4	0.10		512	102.4
Boron			0.20		-7.3		-0.70		-5.8	
Cadmium		1000	0.60		1070	107.0	0.50		1070	107.0
Calcium	400000	400000	391000	97.8	389000	97.3	401000	100.3	397000	99.3
Chromium		500	0.60		504	100.8	1.3		502	100.4
Cobalt		500	2.0		488	97.6	1.6		483	96.6
Copper		500	3.1		506	101.2	2.5		503	100.6
Iron	200000	200000	199000	99.5	199000	99.5	196000	98.0	197000	98.5
Lead		1000	0.60		941	94.1	2.8		938	93.8
Magnesium	500000	500000	534000	106.8	530000	106.0	535000	107.0	531000	106.2
Manganese		500	-2.0		509	101.8	-3.0		504	100.8
Molybdenum		500	-2.1		497	99.4	-3.6		493	98.6
Nickel		1000	0.80		953	95.3	0.50		957	95.7
Palladium		500	-23		532	106.4	-18		533	106.6
Potassium			93.4		66.5		94.5		91.0	
Selenium		1000	0.50		1020	102.0	3.7		1010	101.0
Silicon			-41		-41		-42		-41	
Silver		1000	4.0		1040	104.0	-0.30		1030	103.0
Sodium			106		94.1		92.9		87.1	
Strontium			-7.9		-8.0		-8.2		-8.3	
Thallium		1000	0.70		967	96.7	2.0		959	95.9
Tin			-0.10		-1.0		-0.90		-0.80	
Titanium			2.7		2.5		2.7		2.6	
Tungsten		500	75.0		618	123.6*	55.8		597	119.4
Vanadium		500	-0.90		512	102.4	0.0		512	102.4
Zinc		1000	-0.60		979	97.9	-1.3		983	98.3

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:16	MA23440-STD1	1		STDA
11:22	MA23440-STD2	1		STDB
11:28	MA23440-CCV1	1		
11:34	MA23440-CCB1	1		
11:42	MA23440-STD3	1		STDA
11:48	MA23440-STD4	1		STDB
11:53	MA23440-HSTD1	1		
11:59	MA23440-CRIB1	1		
12:05	ZZZZZZ	1		
12:11	MA23440-CRID1	1		
12:16	MA23440-ICV1	1		
12:23	MA23440-ICV2	1		
12:31	MA23440-ICB1	1		
12:36	MA23440-ICCV1	1		
12:44	MA23440-CCB2	1		
12:48	ZZZZZZ	1		
12:54	ZZZZZZ	1		
13:04	MA23440-ICSA1	1		
13:10	MA23440-ICSAB1	1		
13:16	MA23440-CCV2	1		
13:22	MA23440-CCB3	1		
13:28	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:57	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:09	MP50453-MB1	1		
14:15	MA23440-CCV3	1		
14:21	MA23440-CCB4	1		
14:28	ZZZZZZ	1		
14:35	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:41	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:53	MP50453-LC1	1		
14:59	MP50453-S1	1		
15:05	MP50453-S2	1		
15:10	JA30976-6	1		(sample used for QC only; not part of login JA31420)
15:16	MP50453-SD1	5		
15:22	ZZZZZZ	1		
15:28	MA23440-CCV4	1		
15:34	MA23440-CCB5	1		
15:40	MA23440-ICSA2	1		
15:46	MA23440-ICSAB2	1		
15:52	ZZZZZZ	1		
15:58	MA23440-CCV5	1		
16:04	MA23440-CCB6	1		
16:10	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:28	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:04	ZZZZZZ	1		
17:10	MA23440-CCV6	1		
17:16	MA23440-CCB7	1		
17:22	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:46	ZZZZZZ	1		
17:52	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:58	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:10	ZZZZZZ	2		
18:16	ZZZZZZ	1		
18:22	MA23440-CCV7	1		
18:28	MA23440-CCB8	1		
18:34	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:46	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:58	MP50430-MB1	1		
19:04	ZZZZZZ	10		
19:10	ZZZZZZ	2		
19:16	ZZZZZZ	2		
19:22	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:34	MA23440-CCV8	1		
19:40	MA23440-CCB9	1		
19:46	ZZZZZZ	1		
19:52	JA31420-8	1		
19:58	JA31420-14	1		
20:04	JA31420-15	1		
20:10	JA31420-19	1		
20:16	JA31420-20	1		
20:22	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:34	JA31420-21	1		
20:40	JA31420-22	1		
20:45	MA23440-CCV9	1		
20:51	MA23440-CCB10	1		
20:57	JA31420-24	1		
---------->	Last reportable sample/prep for job JA31420			
21:03	ZZZZZZ	1		
21:09	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:15	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:39	MA23440-CCV10	1		
21:45	MA23440-CCB11	1		
21:51	MP50425-MB1	1		FE DL raised 2X
21:57	MP50425-B1	1		
22:03	MP50425-S1	1		
22:09	MP50425-S2	1		
22:15	JA31568-1	1		(sample used for QC only; not part of login JA31420)
22:20	MP50425-SD1	5		
22:26	ZZZZZZ	1		
22:33	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:45	ZZZZZZ	1		
22:51	MA23440-CCV11	1		
22:56	MA23440-CCB12	1		
23:03	MA23440-ICSA3	1		
23:09	MA23440-ICSAB3	1		
23:15	ZZZZZZ	1		
23:21	MA23440-CCV12	1		
23:27	MA23440-CCB13	1		
---------->	Last reportable CCB for job JA31420			
23:33	ZZZZZZ	1		
23:39	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:51	ZZZZZZ	1		
23:57	ZZZZZZ	1		
00:03	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:15	ZZZZZZ	1		
00:21	ZZZZZZ	1		
00:27	MA23440-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:33	MA23440-CCB14	1		
00:39	ZZZZZZ	1		
00:45	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:57	ZZZZZZ	1		
01:03	ZZZZZZ	1		
01:08	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	ZZZZZZ	1		
01:26	ZZZZZZ	1		
01:32	ZZZZZZ	1		
01:38	MA23440-CCV14	1		
01:44	MA23440-CCB15	1		
01:50	ZZZZZZ	1		
01:56	ZZZZZZ	1		
02:02	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:14	ZZZZZZ	1		
02:20	MP50468-MB1	1		
02:26	MP50468-B1	1		
02:31	MP50468-S1	1		
02:37	MP50468-S2	1		
02:43	MA23440-CCV15	1		
02:49	MA23440-CCB16	1		
02:55	JA32150-10	1		(sample used for QC only; not part of login JA31420)
03:01	MP50468-SD1	5		
03:07	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:19	ZZZZZZ	1		
03:25	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:48	ZZZZZZ	1		
03:54	MA23440-CCV16	1		
04:00	MA23440-CCB17	1		
04:06	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:18	ZZZZZZ	1		
04:24	ZZZZZZ	1		
04:30	ZZZZZZ	1		
04:36	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		
04:53	ZZZZZZ	1		
04:59	MA23440-CCV17	1		
05:05	MA23440-CCB18	1		
05:11	ZZZZZZ	1		
05:17	ZZZZZZ	1		
05:23	MA23440-CCV18	1		
05:29	MA23440-CCB19	1		
05:35	MA23440-ICSA4	1		
05:41	MA23440-ICSAB4	1		
05:47	ZZZZZZ	1		
05:53	MA23440-CCV19	1		
05:59	MA23440-CCB20	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:16	MA23440-STD1	1746 R	112760 R	26650 R	4684 R
11:22	MA23440-STD2	1638	105780	26005	4046
11:28	MA23440-CCV1	1697	109040	26268	4295
11:34	MA23440-CCB1	1755	113330	27427	4710
11:42	MA23440-STD3	1755	113290	26405	4708
11:48	MA23440-STD4	1632	105770	25928	4033
11:53	MA23440-HSTD1	1632	106930	25879	4019
11:59	MA23440-CRIB1	1729	111780	26139	4586
12:05	ZZZZZZ	1737	112350	26098	4646
12:11	MA23440-CRID1	1730	111760	26186	4632
12:16	MA23440-ICV1	1722	111520	26971	4547
12:23	MA23440-ICV2	1722	108780	26309	4543
12:31	MA23440-ICB1	1745	112450	26201	4668
12:36	MA23440-ICCV1	1694	108900	25949	4289
12:44	MA23440-CCB2	1737	112700	26250	4637
12:48	ZZZZZZ	1746	112790	26324	4668
12:54	ZZZZZZ	1748	112840	26327	4677
13:04	MA23440-ICSA1	1542	99577	25091	3577
13:10	MA23440-ICSAB1	1524	99087	25399	3548
13:16	MA23440-CCV2	1672	108550	25845	4249
13:22	MA23440-CCB3	1733	112400	26242	4663
13:28	ZZZZZZ	1725	113060	26429	4676
13:34	ZZZZZZ	1695	113620	26917	4259
13:40	ZZZZZZ	1689	111630	26612	4250
13:45	ZZZZZZ	1719	113140	26753	4454
13:51	ZZZZZZ	1751	114570	26862	4461
13:57	ZZZZZZ	1712	113320	26854	4370
14:03	ZZZZZZ	1694	112780	26966	4429
14:09	MP50453-MB1	1673	111650	26341	4557
14:15	MA23440-CCV3	1656	108570	25730	4237
14:21	MA23440-CCB4	1694	111450	26098	4587
14:28	ZZZZZZ	1369	91571	24433	3328
14:35	ZZZZZZ	1401	98764	26069	2973

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:41	ZZZZZZ	1693	110320	25627	4566
14:47	ZZZZZZ	1685	110820	25892	4567
14:53	MP50453-LC1	1665	109850	25868	4470
14:59	MP50453-S1	1621	108200	25832	4290
15:05	MP50453-S2	1631	108160	25714	4311
15:10	JA30976-6	1666	111130	26017	4527
15:16	MP50453-SD1	1675	111240	25907	4568
15:22	ZZZZZZ	1597	107570	25642	4310
15:28	MA23440-CCV4	1610	106760	25663	4149
15:34	MA23440-CCB5	1682	111170	26190	4568
15:40	MA23440-ICSA2	1497	98072	24649	3502
15:46	MA23440-ICSAB2	1482	97747	25239	3468
15:52	ZZZZZZ	1697	111560	25859	4599
15:58	MA23440-CCV5	1635	107720	25555	4195
16:04	MA23440-CCB6	1696	111700	25805	4599
16:10	ZZZZZZ	1665	110930	25904	4528
16:16	ZZZZZZ	1676	111490	25948	4586
16:22	ZZZZZZ	1670	110800	25763	4528
16:28	ZZZZZZ	1690	111810	25903	4591
16:34	ZZZZZZ	1671	110960	25656	4500
16:40	ZZZZZZ	1669	110450	25788	4503
16:46	ZZZZZZ	1657	114900	25863	4497
16:52	ZZZZZZ	1644	109780	25664	4421
16:58	ZZZZZZ	1610	112340	25521	4331
17:04	ZZZZZZ	1664	110070	25544	4509
17:10	MA23440-CCV6	1648	107440	24913	4186
17:16	MA23440-CCB7	1722	111540	25168	4617
17:22	ZZZZZZ	1681	110910	25230	4534
17:28	ZZZZZZ	1717	111540	25375	4604
17:34	ZZZZZZ	1724	112220	25610	4655
17:40	ZZZZZZ	1704	111620	25402	4556
17:46	ZZZZZZ	1699	111770	25590	4555
17:52	ZZZZZZ	1702	111820	25396	4543

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:58	ZZZZZZ	1683	111210	25402	4488
18:04	ZZZZZZ	1728	117000	25643	4672
18:10	ZZZZZZ	1346	94242	24208	3123
18:16	ZZZZZZ	1733	113330	26228	4671
18:22	MA23440-CCV7	1700	109490	25140	4289
18:28	MA23440-CCB8	1779	114600	25327	4726
18:34	ZZZZZZ	1772	113920	25249	4730
18:40	ZZZZZZ	1782	113190	25344	4742
18:46	ZZZZZZ	1758	112920	25298	4618
18:52	ZZZZZZ	1759	113710	25504	4722
18:58	MP50430-MB1	1753	113920	25590	4710
19:04	ZZZZZZ	1716	109800	25069	4420
19:10	ZZZZZZ	1742	112910	25546	4525
19:16	ZZZZZZ	1746	113190	25744	4398
19:22	ZZZZZZ	1608	103400	24743	4059
19:28	ZZZZZZ	1731	113330	25540	4669
19:34	MA23440-CCV8	1691	109300	24902	4290
19:40	MA23440-CCB9	1759	113570	25237	4707
19:46	ZZZZZZ	1741	119070	25803	4728
19:52	JA31420-8	1695	112120	25853	4395
19:58	JA31420-14	1725	110950	26540	4049
20:04	JA31420-15	1727	112920	26191	4295
20:10	JA31420-19	1744	113760	26209	4304
20:16	JA31420-20	1741	113420	26266	4255
20:22	ZZZZZZ	1735	114630	25727	4722
20:28	ZZZZZZ	1744	113840	25966	4438
20:34	JA31420-21	1697	112310	25925	4288
20:40	JA31420-22	1731	113750	26229	4227
20:45	MA23440-CCV9	1676	108320	24668	4262
20:51	MA23440-CCB10	1757	112910	25037	4728
20:57	JA31420-24	1734	113650	25981	4346
21:03	ZZZZZZ	1616	107740	25027	3875
21:09	ZZZZZZ	1578	103950	24706	3705

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:15	ZZZZZZ	1712	118860	25384	4658
21:21	ZZZZZZ	1684	110570	24981	4508
21:27	ZZZZZZ	1694	111580	25155	4524
21:33	ZZZZZZ	1687	110840	25015	4513
21:39	MA23440-CCV10	1668	108220	24714	4242
21:45	MA23440-CCB11	1721	112730	24953	4637
21:51	MP50425-MB1	1734	113270	25197	4706
21:57	MP50425-B1	1687	111150	25154	4407
22:03	MP50425-S1	1655	109240	25484	4161
22:09	MP50425-S2	1646	108590	25295	4145
22:15	JA31568-1	1679	110500	25478	4330
22:20	MP50425-SD1	1724	110800	24991	4593
22:26	ZZZZZZ	1626	108310	25205	4092
22:33	ZZZZZZ	1625	109120	25582	3961
22:39	ZZZZZZ	1745	115610	26738	4145
22:45	ZZZZZZ	1315	95101	23048	3300
22:51	MA23440-CCV11	1647	108050	24515	4228
22:56	MA23440-CCB12	1717	112070	24935	4657
23:03	MA23440-ICSA3	1511	98802	23700	3533
23:09	MA23440-ICSAB3	1516	98748	23538	3537
23:15	ZZZZZZ	1731	112240	24761	4684
23:21	MA23440-CCV12	1644	108000	24437	4214
23:27	MA23440-CCB13	1710	112150	24802	4645
23:33	ZZZZZZ	1710	111600	24520	4638
23:39	ZZZZZZ	1706	111300	24367	4611
23:45	ZZZZZZ	1715	111370	24437	4617
23:51	ZZZZZZ	1702	110250	24447	4558
23:57	ZZZZZZ	1583	103360	23543	4060
00:03	ZZZZZZ	1781	109930	25474	4268
00:09	ZZZZZZ	1589	103770	23505	4106
00:15	ZZZZZZ	1738	116550	24372	4670
00:21	ZZZZZZ	1741	112950	24524	4680
00:27	MA23440-CCV13	1682	108650	24181	4269

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:33	MA23440-CCB14	1751	113120	24566	4693
00:39	ZZZZZZ	1275	93240	22277	3283
00:45	ZZZZZZ	1575	106670	24276	3969
00:51	ZZZZZZ	1508	104620	24304	3792
00:57	ZZZZZZ	1719	112250	24754	4362
01:03	ZZZZZZ	1601	107900	24227	4027
01:08	ZZZZZZ	1653	110170	24645	4164
01:14	ZZZZZZ	1698	110930	24422	4353
01:20	ZZZZZZ	1686	110790	24572	4293
01:26	ZZZZZZ	1721	111630	24483	4345
01:32	ZZZZZZ	1751	114390	24911	4414
01:38	MA23440-CCV14	1703	109390	23788	4315
01:44	MA23440-CCB15	1782	114080	24027	4772
01:50	ZZZZZZ	1741	112740	24426	4476
01:56	ZZZZZZ	1694	111450	24541	4286
02:02	ZZZZZZ	1785	116410	25502	4254
02:08	ZZZZZZ	1722	111780	24714	4201
02:14	ZZZZZZ	1684	110570	24237	4073
02:20	MP50468-MB1	1728	113870	24252	4706
02:26	MP50468-B1	1727	112470	23915	4486
02:31	MP50468-S1	1731	112980	24112	4446
02:37	MP50468-S2	1739	113170	24109	4449
02:43	MA23440-CCV15	1695	109410	23727	4306
02:49	MA23440-CCB16	1760	114130	23977	4722
02:55	JA32150-10	1762	115480	24370	4658
03:01	MP50468-SD1	1785	114350	24067	4776
03:07	ZZZZZZ	1723	112920	24053	4805
03:13	ZZZZZZ	1754	115610	25929	4383
03:19	ZZZZZZ	1759	115300	24936	4380
03:25	ZZZZZZ	1740	113540	24427	4347
03:31	ZZZZZZ	1746	114170	24559	4411
03:37	ZZZZZZ	1761	115260	24631	4440
03:42	ZZZZZZ	1758	114740	24331	4611

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23440
Parameters: Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:48	ZZZZZZ	1749	114050	24251	4584
03:54	MA23440-CCV16	1705	109010	23575	4334
04:00	MA23440-CCB17	1765	113980	23814	4729
04:06	ZZZZZZ	1724	112540	24232	4478
04:12	ZZZZZZ	1712	114110	23976	4436
04:18	ZZZZZZ	1725	111720	23972	4359
04:24	ZZZZZZ	1712	112180	24260	4283
04:30	ZZZZZZ	1735	112990	23946	4496
04:36	ZZZZZZ	1733	113300	24375	4305
04:41	ZZZZZZ	1737	114290	24031	4617
04:47	ZZZZZZ	1721	112450	23853	4508
04:53	ZZZZZZ	1695	111230	23776	4325
04:59	MA23440-CCV17	1689	109490	23932	4301
05:05	MA23440-CCB18	1758	113860	23476	4724
05:11	ZZZZZZ	1734	113690	24207	4441
05:17	ZZZZZZ	1764	114110	23911	4694
05:23	MA23440-CCV18	1708	109440	23215	4329
05:29	MA23440-CCB19	1760	113630	24328	4722
05:35	MA23440-ICSA4	1564	100100	22492	3618
05:41	MA23440-ICSAB4	1574	100530	22396	3639
05:47	ZZZZZZ	1781	114310	23442	4753
05:53	MA23440-CCV19	1713	109930	23032	4325
05:59	MA23440-CCB20	1783	114160	23333	4758

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23440 Units: ug/l

Time:			12:31		12:44		13:22		14:21	
Sample ID:			ICB1		CCB2		CCB3		CCB4	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	anr							
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4	anr							
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	0.40	<2.0	1.8	<2.0	1.0	<2.0	1.9	<2.0
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23440 Units: ug/l

Time:			15:34		16:04		17:16		18:28	
Sample ID:			CCB5		CCB6		CCB7		CCB8	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	anr							
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4	anr							
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	0.60	<2.0	1.3	<2.0	1.3	<2.0	1.3	<2.0
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23440 Units: ug/l

Time:			19:40		20:51		21:45		22:56	
Sample ID:			CCB9		CCB10		CCB11		CCB12	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	anr							
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4	anr							
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	1.6	<2.0	1.5	<2.0	1.0	<2.0	1.2	<2.0
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23440 Units: ug/l

Time:			23:27	
Sample ID:			CCB13	
Metal	RL	IDL	raw	final
Aluminum	200	8	anr	
Antimony	6.0	1.3	anr	
Arsenic	3.0	1	anr	
Barium	200	.5	anr	
Beryllium	1.0	.4	anr	
Boron	100	1		
Cadmium	3.0	.3	anr	
Calcium	5000	17	anr	
Chromium	10	.4	anr	
Cobalt	50	.4	anr	
Copper	10	.6	anr	
Iron	100	9.3	anr	
Lead	3.0	.9	anr	
Magnesium	5000	14	anr	
Manganese	15	.3	anr	
Molybdenum	20	2.7		
Nickel	10	2.3	anr	
Palladium	50	1.5		
Potassium	10000	36	anr	
Selenium	10	1.2	anr	
Silicon	200	7.4	anr	
Silver	10	.5	anr	
Sodium	10000	15	anr	
Strontium	10	.4		
Thallium	2.0	1.7	1.7	<2.0
Tin	10	.9		
Titanium	10	.5		
Tungsten	50	5.7		
Vanadium	50	.3	anr	
Zinc	20	3.6	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		12:36	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	2000	2000	100.0
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		12:23			13:16			14:15	
Sample ID:	ICV	ICV2		CCV	CCV2		CCV	CCV3	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	1000	1030	103.0	2000	2010	100.5	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		15:28			15:58			17:10	
Sample ID:	CCV	CCV4		CCV	CCV5		CCV	CCV6	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2040	102.0	2000	2030	101.5	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		18:22			19:34			20:45	
Sample ID:	CCV	CCV7		CCV	CCV8		CCV	CCV9	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		21:39			22:51			23:21	
Sample ID:	CCV	CCV10		CCV	CCV11		CCV	CCV12	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23440 Units: ug/l

Time:		11:53	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	4000	4050	101.3
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23440 Units: ug/l

Time:				12:11	
Sample ID:	CRI	CRIA	CRID	CRID1	
Metal	True	True	True	Results	% Rec
Aluminum			100	anr	
Antimony	120		3.0	anr	
Arsenic	20	3.0	3.0	anr	
Barium	400		4.0	anr	
Beryllium	10	1.0	1.0	anr	
Boron			10		
Cadmium	10		1.0	anr	
Calcium			1000	anr	
Chromium	20		2.0	anr	
Cobalt	100		3.0	anr	
Copper	50		2.0	anr	
Iron					
Lead	6.0		2.5		
Magnesium			100	anr	
Manganese	30		3.0	anr	
Molybdenum	40				
Nickel	80		4.0	anr	
Palladium	100				
Potassium			2000	anr	
Selenium	10		5.0	anr	
Silicon					
Silver	20		1.0	anr	
Sodium			1000	anr	
Strontium					
Thallium	20	2.0	2.0	2.5	125.0
Tin					
Titanium					
Tungsten					
Vanadium	100		2.0	anr	
Zinc	40		10		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23440 Units: ug/l

Time:		11:59	
Sample ID:	CRIB	CRIB1	
Metal	True	Results	% Rec
Aluminum	200		
Antimony	6.0		
Arsenic	8.0		
Barium	200		
Beryllium	5.0		
Boron	100		
Cadmium	3.0		
Calcium	5000		
Chromium	10		
Cobalt	50		
Copper	10		
Iron	100		
Lead	3.0		
Magnesium	5000		
Manganese	15		
Molybdenum	20		
Nickel	10		
Palladium	50		
Potassium	10000		
Selenium	10		
Silicon	200		
Silver	10		
Sodium	10000		
Strontium	10		
Thallium	10	13.6	136.0
Tin	10		
Titanium	10		
Tungsten	50		
Vanadium	50		
Zinc	20		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23440 Units: ug/l

Time:			13:04		13:10		15:40		15:46	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	505000	101.0	500000	100.0	513000	102.6	503000	100.6
Antimony		1000	0.40		1030	103.0	-1.0		1060	106.0
Arsenic		1000	1.6		1030	103.0	-0.80		1050	105.0
Barium		500	8.1		517	103.4	8.4		517	103.4
Beryllium		500	0.10		500	100.0	0.10		490	98.0
Boron			0.50		-5.9		-0.70		-5.8	
Cadmium		1000	0.50		1070	107.0	0.70		1080	108.0
Calcium	400000	400000	388000	97.0	379000	94.8	378000	94.5	372000	93.0
Chromium		500	0.70		496	99.2	0.90		494	98.8
Cobalt		500	2.2		488	97.6	2.6		495	99.0
Copper		500	2.9		508	101.6	3.6		510	102.0
Iron	200000	200000	195000	97.5	193000	96.5	194000	97.0	190000	95.0
Lead		1000	-1.1		942	94.2	-1.4		950	95.0
Magnesium	500000	500000	523000	104.6	514000	102.8	514000	102.8	500000	100.0
Manganese		500	-3.3		499	99.8	-2.7		499	99.8
Molybdenum		500	-2.9		497	99.4	-2.8		505	101.0
Nickel		1000	1.1		950	95.0	1.3		958	95.8
Palladium		500	-17		539	107.8	-20		542	108.4
Potassium			64.1		41.2		80.0		39.0	
Selenium		1000	1.6		1020	102.0	0.80		1040	104.0
Silicon			-44		-46		-44		-44	
Silver		1000	0.40		1020	102.0	1.5		1020	102.0
Sodium			89.7		85.4		109		95.4	
Strontium			-7.7		-7.6		-7.3		-7.5	
Thallium		1000	0.20		976	97.6	-0.10		979	97.9
Tin			-2.1		-1.2		-2.1		-1.1	
Titanium			2.6		2.6		2.7		2.5	
Tungsten		500	68.8		591	118.2	58.3		592	118.4
Vanadium		500	0.20		496	99.2	-0.20		495	99.0
Zinc		1000	-1.3		967	96.7	-1.1		970	97.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111009M1.ICP Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23440 Units: ug/l

Time:			23:03		23:09	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	509000	101.8	512000	102.4
Antimony		1000	0.30		1040	104.0
Arsenic		1000	0.40		1040	104.0
Barium		500	8.6		535	107.0
Beryllium		500	0.10		496	99.2
Boron			-1.0		-6.4	
Cadmium		1000	0.70		1070	107.0
Calcium	400000	400000	377000	94.3	373000	93.3
Chromium		500	0.90		498	99.6
Cobalt		500	2.8		492	98.4
Copper		500	2.7		507	101.4
Iron	200000	200000	186000	93.0	189000	94.5
Lead		1000	-0.80		945	94.5
Magnesium	500000	500000	501000	100.2	502000	100.4
Manganese		500	-2.7		501	100.2
Molybdenum		500	-2.9		499	99.8
Nickel		1000	1.0		950	95.0
Palladium		500	-21		534	106.8
Potassium			81.5		74.8	
Selenium		1000	-2.2		1020	102.0
Silicon			-44		-44	
Silver		1000	-0.30		1020	102.0
Sodium			91.1		85.5	
Strontium			-7.1		-7.3	
Thallium		1000	-3.7		981	98.1
Tin			-1.6		-0.30	
Titanium			2.5		2.8	
Tungsten		500	50.0		584	116.8
Vanadium		500	-0.10		493	98.6
Zinc		1000	-1.5		969	96.9

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:06	MA23441-STD1	1		STDA
11:13	MA23441-STD2	1		STDB
11:19	MA23441-STD3	1		STDC
11:25	MA23441-STD4	1		STDD
11:31	MA23441-STD5	1		STDE
11:38	MA23441-STD6	1		STDF
11:44	MA23441-STD7	1		STDG
11:50	MA23441-STD8	1		STDH
11:57	MA23441-STD9	1		STDI
12:55	MA23441-HSTD1	1		
13:21	MA23441-CRIB1	1		
13:27	MA23441-CRID1	1		
13:33	MA23441-ICV1	1		
13:40	MA23441-ICB1	1		
13:59	MA23441-ICCV1	1		
14:06	MA23441-CCB1	1		
14:14	MA23441-ICSA1	1		
14:20	MA23441-ICSAB1	1		
14:27	MA23441-CCV1	1		
14:33	MA23441-CCB2	1		
14:40	MP50421-MB1	1		
14:46	MP50421-LC1	1		
14:51	MP50421-S1	1		
14:57	MP50421-S2	1		
15:03	JA31456-1	1		(sample used for QC only; not part of login JA31420)
15:09	MP50421-SD1	5		
---------->	Last reportable sample/prep for job JA31420			
15:15	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:27	ZZZZZZ	1		
15:33	MA23441-CCV2	1		
15:40	MA23441-CCB3	1		
15:46	ZZZZZZ	1		
15:52	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	15:57	ZZZZZZ	1		
	16:02	ZZZZZZ	5		
	16:08	MA23441-CRID2	1		
	16:15	MA23441-ICSA2	1		
	16:22	MA23441-ICSAB2	1		
	16:28	MA23441-CCV3	1		
	16:34	MA23441-CCB4	1		
---------->	Last reportable CCB for job JA31420				
	16:41	ZZZZZZ	1		
	16:46	MP50450-S1	250		
	16:53	MP50450-S2	250		
	16:59	JA31472-15	250		(sample used for QC only; not part of login JA31420)
	17:04	MP50450-SD1	1250		
	17:11	ZZZZZZ	1		
	17:17	ZZZZZZ	1		
	17:23	ZZZZZZ	1		
	17:29	ZZZZZZ	250		
	17:35	ZZZZZZ	250		
	17:41	MA23441-CCV4	1		
	17:47	MA23441-CCB5	1		
	17:54	ZZZZZZ	250		
	18:00	ZZZZZZ	250		
	18:06	ZZZZZZ	250		
	18:12	ZZZZZZ	250		
	18:18	ZZZZZZ	250		
	18:24	ZZZZZZ	250		
	18:31	ZZZZZZ	250		
	18:37	ZZZZZZ	250		
	18:43	ZZZZZZ	250		
	18:49	ZZZZZZ	250		
	18:55	MA23441-CCV5	1		
	19:01	MA23441-CCB6	1		
	19:08	ZZZZZZ	250		
	19:14	ZZZZZZ	250		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:20	ZZZZZZ	250		
19:26	ZZZZZZ	50		
19:32	MP50461-MB1	1		
19:38	MP50461-LC1	1		
19:45	MP50461-S1	1		
19:51	MP50461-S2	1		
19:57	JA31473-8	1		(sample used for QC only; not part of login JA31420)
20:03	MP50461-SD1	5		
20:09	MA23441-CCV6	1		
20:15	MA23441-CCB7	1		
20:22	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:05	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:23	MA23441-CCV7	1		
21:29	MA23441-CCB8	1		
21:36	ZZZZZZ	1		
21:42	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:54	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:06	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:18	ZZZZZZ	1		
22:25	ZZZZZZ	1		
22:31	ZZZZZZ	1		
22:37	MA23441-CCV8	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:43	MA23441-CCB9	1		
22:50	ZZZZZZ	1		
22:56	MP50449-MB1	1		
23:02	MP50449-B1	1		
23:08	MP50449-LC1	1		
23:14	MP50449-S1	1		
23:20	MP50449-S2	1		
23:26	JA32058-1	1		(sample used for QC only; not part of login JA31420)
23:32	MP50449-SD1	5		
23:38	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:51	MA23441-CCV9	1		
23:57	MA23441-CCB10	1		
00:03	MA23441-ICSA3	1		
00:10	MA23441-ICSAB3	1		
00:16	MA23441-CCV10	1		
00:22	MA23441-CCB11	1		
00:29	ZZZZZZ	1		
00:35	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:47	ZZZZZZ	2		
00:53	ZZZZZZ	2		
00:59	ZZZZZZ	2		
01:05	MP50460-MB1	1		
01:12	MP50460-B1	1		
01:18	MP50460-S1	1		
01:24	MP50460-S2	1		
01:30	MA23441-CCV11	1		
01:36	MA23441-CCB12	1		
01:43	JA32038-1	1		(sample used for QC only; not part of login JA31420)
01:49	MP50460-SD1	5		
01:55	ZZZZZZ	1		
02:01	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:19	MP50469-MB1	1		
02:25	MP50469-B1	1		
02:32	MP50469-S1	1		
02:38	MP50469-S2	1		
02:44	MA23441-CCV12	1		
02:50	MA23441-CCB13	1		
02:56	JA32152-1	1		(sample used for QC only; not part of login JA31420)
03:03	MP50469-SD1	5		
03:09	ZZZZZZ	1		
03:15	ZZZZZZ	1		
03:21	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:33	ZZZZZZ	1		
03:39	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:52	MA23441-CCV13	1		
03:58	MA23441-CCB14	1		
04:04	ZZZZZZ	1		
04:11	ZZZZZZ	1		
04:17	ZZZZZZ	1		
04:23	ZZZZZZ	1		
04:29	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		
04:53	ZZZZZZ	1		
05:00	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:12	MA23441-CCV14	1		
05:18	MA23441-CCB15	1		
05:24	MA23441-ICSA4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:31	MA23441-ICSAB4	1		
05:37	MA23441-CCV15	1		
05:43	MA23441-CCB16	1		
07:44	MA23441-CCV16	1		
07:50	MA23441-CCB17	1		
08:01	MP50460-MB2	1		
08:07	MP50460-LC1	1		
08:14	ZZZZZZ	1		
08:20	ZZZZZZ	1		
08:26	ZZZZZZ	1		
08:36	JA31963-2	5		(sample used for QC only; not part of login JA31420)
08:36	ZZZZZZ	5		
08:43	ZZZZZZ	3		
08:51	MA23441-ICSA5	1		
08:57	MA23441-ICSAB5	1		
09:04	MA23441-CCV17	1		
09:10	MA23441-CCB18	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
11:06	MA23441-STD1	57391 R
11:13	MA23441-STD2	57160
11:19	MA23441-STD3	57277
11:25	MA23441-STD4	56698
11:31	MA23441-STD5	57392
11:38	MA23441-STD6	57594
11:44	MA23441-STD7	56938
11:50	MA23441-STD8	57105
11:57	MA23441-STD9	57311
12:55	MA23441-HSTD1	55460
13:21	MA23441-CRIB1	56478
13:27	MA23441-CRID1	57390
13:33	MA23441-ICV1	57735
13:40	MA23441-ICB1	57532
13:59	MA23441-ICCV1	57719
14:06	MA23441-CCB1	57979
14:14	MA23441-ICSA1	54531
14:20	MA23441-ICSAB1	54448
14:27	MA23441-CCV1	58058
14:33	MA23441-CCB2	58280
14:40	MP50421-MB1	58174
14:46	MP50421-LC1	57651
14:51	MP50421-S1	57262
14:57	MP50421-S2	57142
15:03	JA31456-1	57198
15:09	MP50421-SD1	60175
15:15	ZZZZZZ	55822
15:21	ZZZZZZ	58238
15:27	ZZZZZZ	57459
15:33	MA23441-CCV2	59251
15:40	MA23441-CCB3	59960
15:46	ZZZZZZ	49112
15:52	ZZZZZZ	59387

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
15:57	ZZZZZZ	56353
16:02	ZZZZZZ	61223
16:08	MA23441-CRID2	59410
16:15	MA23441-ICSA2	54881
16:22	MA23441-ICSAB2	54423
16:28	MA23441-CCV3	57494
16:34	MA23441-CCB4	57942
16:41	ZZZZZZ	59784
16:46	MP50450-S1	61220
16:53	MP50450-S2	60792
16:59	JA31472-15	60932
17:04	MP50450-SD1	60924
17:11	ZZZZZZ	56567
17:17	ZZZZZZ	55959
17:23	ZZZZZZ	60396
17:29	ZZZZZZ	60300
17:35	ZZZZZZ	60047
17:41	MA23441-CCV4	57173
17:47	MA23441-CCB5	57623
17:54	ZZZZZZ	60062
18:00	ZZZZZZ	59460
18:06	ZZZZZZ	59104
18:12	ZZZZZZ	58025
18:18	ZZZZZZ	58312
18:24	ZZZZZZ	58103
18:31	ZZZZZZ	58407
18:37	ZZZZZZ	58197
18:43	ZZZZZZ	57391
18:49	ZZZZZZ	57486
18:55	MA23441-CCV5	55331
19:01	MA23441-CCB6	55293
19:08	ZZZZZZ	57914
19:14	ZZZZZZ	58038

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
19:20	ZZZZZZ	57175
19:26	ZZZZZZ	56040
19:32	MP50461-MB1	55476
19:38	MP50461-LC1	55358
19:45	MP50461-S1	56850
19:51	MP50461-S2	56862
19:57	JA31473-8	57499
20:03	MP50461-SD1	59054
20:09	MA23441-CCV6	56530
20:15	MA23441-CCB7	56933
20:22	ZZZZZZ	58413
20:28	ZZZZZZ	56745
20:34	ZZZZZZ	61955
20:40	ZZZZZZ	57053
20:46	ZZZZZZ	56834
20:52	ZZZZZZ	56645
20:58	ZZZZZZ	58127
21:05	ZZZZZZ	55772
21:11	ZZZZZZ	61770
21:17	ZZZZZZ	58490
21:23	MA23441-CCV7	56964
21:29	MA23441-CCB8	57482
21:36	ZZZZZZ	56211
21:42	ZZZZZZ	58343
21:48	ZZZZZZ	57366
21:54	ZZZZZZ	60309
22:00	ZZZZZZ	56362
22:06	ZZZZZZ	56639
22:12	ZZZZZZ	56504
22:18	ZZZZZZ	56392
22:25	ZZZZZZ	57443
22:31	ZZZZZZ	57643
22:37	MA23441-CCV8	57425

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
22:43	MA23441-CCB9	57870
22:50	ZZZZZZ	57865
22:56	MP50449-MB1	59728
23:02	MP50449-B1	57249
23:08	MP50449-LC1	60622
23:14	MP50449-S1	58319
23:20	MP50449-S2	58874
23:26	JA32058-1	59565
23:32	MP50449-SD1	60272
23:38	ZZZZZZ	57804
23:45	ZZZZZZ	58738
23:51	MA23441-CCV9	56341
23:57	MA23441-CCB10	57037
00:03	MA23441-ICSA3	53166
00:10	MA23441-ICSAB3	52995
00:16	MA23441-CCV10	56128
00:22	MA23441-CCB11	56377
00:29	ZZZZZZ	58285
00:35	ZZZZZZ	57550
00:41	ZZZZZZ	59068
00:47	ZZZZZZ	58151
00:53	ZZZZZZ	59539
00:59	ZZZZZZ	61624
01:05	MP50460-MB1	55479
01:12	MP50460-B1	55537
01:18	MP50460-S1	53828
01:24	MP50460-S2	53459
01:30	MA23441-CCV11	56315
01:36	MA23441-CCB12	56516
01:43	JA32038-1	53037
01:49	MP50460-SD1	55997
01:55	ZZZZZZ	53878
02:01	ZZZZZZ	53830

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
02:07	ZZZZZZ	54827
02:13	ZZZZZZ	55003
02:19	MP50469-MB1	57854
02:25	MP50469-B1	55800
02:32	MP50469-S1	59044
02:38	MP50469-S2	58985
02:44	MA23441-CCV12	56186
02:50	MA23441-CCB13	56476
02:56	JA32152-1	57881
03:03	MP50469-SD1	57093
03:09	ZZZZZZ	70337
03:15	ZZZZZZ	65576
03:21	ZZZZZZ	62164
03:27	ZZZZZZ	59253
03:33	ZZZZZZ	60420
03:39	ZZZZZZ	59542
03:46	ZZZZZZ	60418
03:52	MA23441-CCV13	56313
03:58	MA23441-CCB14	56912
04:04	ZZZZZZ	62890
04:11	ZZZZZZ	60885
04:17	ZZZZZZ	60581
04:23	ZZZZZZ	58817
04:29	ZZZZZZ	68811
04:35	ZZZZZZ	61580
04:41	ZZZZZZ	58262
04:47	ZZZZZZ	63796
04:53	ZZZZZZ	65282
05:00	ZZZZZZ	61119
05:06	ZZZZZZ	59576
05:12	MA23441-CCV14	56673
05:18	MA23441-CCB15	56877
05:24	MA23441-ICSA4	53573

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA23441
Parameters: Be

Time	Sample Description	Istd#1
05:31	MA23441-ICSAB4	53295
05:37	MA23441-CCV15	56713
05:43	MA23441-CCB16	57259
07:44	MA23441-CCV16	55981
07:50	MA23441-CCB17	56679
08:01	MP50460-MB2	56897
08:07	MP50460-LC1	56414
08:14	ZZZZZZ	54042
08:20	ZZZZZZ	54036
08:26	ZZZZZZ	56009
08:36	JA31963-2	58436
08:36	ZZZZZZ	58436
08:43	ZZZZZZ	59340
08:51	MA23441-ICSA5	56318
08:57	MA23441-ICSAB5	56262
09:04	MA23441-CCV17	60026
09:10	MA23441-CCB18	60682

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23441 Units: ug/l

Time:			13:40		14:06		14:33		15:40	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	25	anr							
Antimony	6.0	3.1	anr							
Arsenic	8.0	2.4	anr							
Barium	200	1.4	anr							
Beryllium	1.0	.09	0.062	<1.0	0.33	<1.0	0.18	<1.0	0.51	<1.0
Cadmium	3.0	.4	anr							
Calcium	5000	27	anr							
Chromium	10	1.3	anr							
Cobalt	50	.8	anr							
Copper	10	1.1	anr							
Iron	100	19	anr							
Lead	3.0	2.7	anr							
Magnesium	5000	31	anr							
Manganese	15	.3	anr							
Molybdenum	20	1.1								
Nickel	10	1.5	anr							
Palladium	50	4.6								
Potassium	10000	24	anr							
Selenium	10	5.4	anr							
Silicon	200	11								
Silver	10	1.2	anr							
Sodium	10000	200	anr							
Thallium	10	3.9	anr							
Tin	10	3.6								
Vanadium	50	1.4	anr							
Zinc	20	1.2	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23441 Units: ug/l

Time:			16:34	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	25	anr	
Antimony	6.0	3.1	anr	
Arsenic	8.0	2.4	anr	
Barium	200	1.4	anr	
Beryllium	1.0	.09	0.10	<1.0
Cadmium	3.0	.4	anr	
Calcium	5000	27	anr	
Chromium	10	1.3	anr	
Cobalt	50	.8	anr	
Copper	10	1.1	anr	
Iron	100	19	anr	
Lead	3.0	2.7	anr	
Magnesium	5000	31	anr	
Manganese	15	.3	anr	
Molybdenum	20	1.1		
Nickel	10	1.5	anr	
Palladium	50	4.6		
Potassium	10000	24	anr	
Selenium	10	5.4	anr	
Silicon	200	11		
Silver	10	1.2	anr	
Sodium	10000	200	anr	
Thallium	10	3.9	anr	
Tin	10	3.6		
Vanadium	50	1.4	anr	
Zinc	20	1.2	anr	

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23441 Units: ug/l

Time:		13:59	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	2000	1950	97.5
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Thallium	anr		
Tin			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23441 Units: ug/l

Time:		13:33			14:27			15:33	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	1000	1000	100.0	2000	1960	98.0	2000	1940	97.0
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23441 Units: ug/l

Time:		16:28	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	2000	1970	98.5
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Thallium	anr		
Tin			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23441 Units: ug/l

Time:		12:55	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	4000	3950	98.8
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Thallium	anr		
Tin			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23441 Units: ug/l

Time:				13:27		16:08	
Sample ID:	CRI	CRIA	CRID	CRID1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum			100	anr			
Antimony	120		3.0				
Arsenic	20	3.0	3.0				
Barium	400		4.0	anr			
Beryllium	10	1.0	1.0	1.1	110.0	1.1	110.0
Cadmium	10		1.0	anr			
Calcium			1000	anr			
Chromium	20		2.0	anr			
Cobalt	100		3.0	anr			
Copper	50		2.0	anr			
Iron							
Lead	6.0		2.5				
Magnesium			100	anr			
Manganese	30		3.0	anr			
Molybdenum	40						
Nickel	80		4.0				
Palladium	100						
Potassium			2000	anr			
Selenium	10		5.0				
Silicon							
Silver	20		1.0				
Sodium			1000				
Thallium	20	2.0	2.0				
Tin							
Vanadium	100		2.0	anr			
Zinc	40		10				

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23441 Units: ug/l

Time:		13:21	
Sample ID:	CRIB	CRIB1	
Metal	True	Results	% Rec
Aluminum	200		
Antimony	6.0		
Arsenic	8.0		
Barium	200		
Beryllium	5.0	5.6	112.0
Cadmium	3.0		
Calcium	5000		
Chromium	10		
Cobalt	50		
Copper	10		
Iron	100		
Lead	3.0		
Magnesium	5000		
Manganese	15		
Molybdenum	20		
Nickel	10		
Palladium	50		
Potassium	10000		
Selenium	10		
Silicon	200		
Silver	10		
Sodium	10000		
Thallium	10		
Tin	10		
Vanadium	50		
Zinc	20		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: IT111009M1.DAT Date Analyzed: 11/10/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23441 Units: ug/l

Time:			14:14		14:20		16:15		16:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	486000	97.2	500000	100.0	492000	98.4	503000	100.6
Antimony		1000	3.4		1070	107.0	-2.0		1080	108.0
Arsenic		1000	-3.3		1060	106.0	-1.6		1070	107.0
Barium		500	4.9		530	106.0	5.0		536	107.2
Beryllium		500	0.065		503	100.6	0.036		507	101.4
Cadmium		1000	2.8		997	99.7	2.6		1010	101.0
Calcium	400000	400000	363000	90.8	376000	94.0	369000	92.3	377000	94.3
Chromium		500	5.1		502	100.4	5.3		508	101.6
Cobalt		500	-3.1		490	98.0	-2.9		492	98.4
Copper		500	-2.2		514	102.8	-1.1		519	103.8
Iron	200000	200000	195000	97.5	198000	99.0	197000	98.5	200000	100.0
Lead		1000	2.3		1030	103.0	3.2		1030	103.0
Magnesium	500000	500000	511000	102.2	529000	105.8	521000	104.2	532000	106.4
Manganese		500	2.3		503	100.6	2.3		505	101.0
Molybdenum		500	2.8		517	103.4	1.6		521	104.2
Nickel		1000	3.4		979	97.9	2.2		985	98.5
Palladium		500	-4.6		529	105.8	-4.0		534	106.8
Potassium			947		1000		965		996	
Selenium		1000	1.4		1050	105.0	-5.0		1060	106.0
Silicon			-53		-51		-51		-54	
Silver		1000	0.046		1020	102.0	-0.14		1020	102.0
Sodium			373		465		217		458	
Thallium		1000	2.7		1040	104.0	10.0		1040	104.0
Tin			-8.6		-8.4		-9.0		-7.0	
Vanadium		500	0.52		504	100.8	0.21		509	101.8
Zinc		1000	2.3		967	96.7	2.3		976	97.6

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:23	MA23447-STD1	1		STDA
11:29	MA23447-STD2	1		STDB
11:35	MA23447-CCV1	1		
11:40	MA23447-CCB1	1		
11:46	MA23447-HSTD1	1		
11:52	MA23447-CRIB1	1		
11:58	MA23447-CRID1	1		
12:04	MA23447-CRIB2	1		
12:11	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:23	MA23447-ICV1	1		
12:31	MA23447-ICB1	1		
12:35	MA23447-ICCV1	1		
12:46	MA23447-CCB2	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	MA23447-ICSA1	1		
13:07	MA23447-ICSAB1	1		
13:14	ZZZZZZ	1		
13:20	MA23447-CCV2	1		
13:26	MA23447-CCB3	1		
13:32	ZZZZZZ	1		
13:38	MP50471-MB1	1		
13:44	MP50471-LC1	1		
13:50	MP50471-S1	1		
13:55	MP50471-S2	1		
14:01	JA30868-2	1		(sample used for QC only; not part of login JA31420)
14:07	MP50471-SD1	5		
14:13	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:25	ZZZZZZ	1		
14:31	MA23447-CCV3	1		
14:37	MA23447-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:43	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:55	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:19	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:31	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:43	MA23447-CCV4	1		
15:49	MA23447-CCB5	1		
15:55	ZZZZZZ	1		
16:01	MA23447-ICSA2	1		
16:07	MA23447-ICSAB2	1		
16:13	MP50471-MB1	1		
16:19	MP50478-MB1	1		
16:26	MA23447-CCV5	1		
16:32	MA23447-CCB6	1		
16:38	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:56	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:26	ZZZZZZ	2		
17:31	ZZZZZZ	1		
17:38	MA23447-CCV6	1		
17:43	MA23447-CCB7	1		
17:49	ZZZZZZ	1		
17:55	JA31420-14	2		

----------> Last reportable sample/prep for job JA31420

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:01	MP50478-MB1	1		
18:07	MP50478-LC1	1		
18:13	MP50478-S1	1		
18:19	MP50478-S2	1		
18:25	JA30882-1	1		(sample used for QC only; not part of login JA31420)
18:31	MP50478-SD1	5		
18:37	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:49	MA23447-CCV7	1		
18:55	MA23447-CCB8	1		
19:01	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:48	ZZZZZZ	1		
19:54	ZZZZZZ	1		
20:00	MA23447-CCV8	1		
20:06	MA23447-CCB9	1		
20:12	ZZZZZZ	1		
20:18	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:30	MP50477-MB1	1		
20:36	MP50477-LC1	1		
20:42	MP50477-S1	1		Tl hit
20:48	MP50477-S2	1		Tl hit
20:54	JA31630-8	1		(sample used for QC only; not part of login JA31420)
21:00	MP50477-SD1	5		Tl hit
21:06	ZZZZZZ	1		
21:13	MA23447-CCV9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:18	MA23447-CCB10	1		
21:24	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:37	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:49	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:07	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:19	ZZZZZZ	1		
22:25	MA23447-CCV10	1		
22:31	MA23447-CCB11	1		
22:37	ZZZZZZ	1		
22:43	ZZZZZZ	1		
22:49	ZZZZZZ	1		
22:55	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:07	ZZZZZZ	1		
23:13	ZZZZZZ	1		
23:19	MP50472-MB1	1		
23:25	MP50472-LC1	1		
23:31	MA23447-CCV11	1		
23:37	MA23447-CCB12	1		
23:43	MA23447-ICSA3	1		
23:49	MA23447-ICSAB3	1		
23:55	ZZZZZZ	1		
00:01	MA23447-CCV12	1		
00:07	MA23447-CCB13	1		
---------->	Last reportable CCB for job JA31420			
00:13	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:31	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:37	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:50	ZZZZZZ	1		
00:56	ZZZZZZ	1		
01:02	MA23447-CCV13	1		
01:08	MA23447-CCB14	1		
01:14	MP50472-S1	1		
01:19	MP50472-S2	1		
01:25	JA31581-5	1		(sample used for QC only; not part of login JA31420)
01:31	MP50472-SD1	5		
01:37	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:49	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:13	MA23447-CCV14	1		
02:19	MA23447-CCB15	1		
02:25	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:37	ZZZZZZ	1		
02:43	ZZZZZZ	1		
02:49	ZZZZZZ	1		
02:55	ZZZZZZ	1		
03:01	ZZZZZZ	1		
03:07	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:19	ZZZZZZ	1		
03:25	MA23447-CCV15	1		
03:31	MA23447-CCB16	1		
03:37	ZZZZZZ	1		
03:43	ZZZZZZ	1		
03:49	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:55	ZZZZZZ	1		
04:01	ZZZZZZ	3		
04:07	ZZZZZZ	5		
04:13	ZZZZZZ	3		
04:19	ZZZZZZ	3		
04:25	ZZZZZZ	5		
04:31	ZZZZZZ	10		
04:37	MA23447-CCV16	1		
04:42	MA23447-CCB17	1		
04:48	ZZZZZZ	3		
04:54	ZZZZZZ	5		
05:01	ZZZZZZ	10		
05:07	ZZZZZZ	3		
05:12	ZZZZZZ	5		
05:18	ZZZZZZ	3		
05:24	ZZZZZZ	5		
05:30	ZZZZZZ	10		
05:36	ZZZZZZ	3		
05:42	ZZZZZZ	5		
05:48	MA23447-CCV17	1		
05:54	MA23447-CCB18	1		
06:00	ZZZZZZ	3		
06:06	ZZZZZZ	2		
06:12	MP50490-MB1	1		
06:18	MP50490-LC1	1		
06:24	MP50490-S1	1		
06:30	MP50490-S2	1		
06:35	JA31034-1	1		(sample used for QC only; not part of login JA31420)
06:41	MP50490-SD1	5		
06:47	ZZZZZZ	1		
06:53	ZZZZZZ	1		
06:59	MA23447-CCV18	1		
07:05	MA23447-CCB19	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:11	MA23447-ICSA4	1		
07:17	MA23447-ICSAB4	1		
07:23	ZZZZZZ	1		
07:29	ZZZZZZ	1		
07:36	MA23447-CCV19	1		
07:41	MA23447-CCB20	1		
07:47	ZZZZZZ	1		
07:53	ZZZZZZ	1		
07:59	ZZZZZZ	1		
08:05	ZZZZZZ	1		
08:11	ZZZZZZ	1		
08:17	ZZZZZZ	1		
08:23	ZZZZZZ	1		
08:29	MA23447-CCV20	1		
08:35	MA23447-CCB21	1		
08:41	MA23447-ICSA5	1		
08:47	MA23447-ICSAB5	1		
08:53	MA23447-CCV21	1		
08:59	MA23447-CCB22	1		
09:05	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:23	MA23447-STD1	1668 R	111020 R	24208 R	4581 R
11:29	MA23447-STD2	1564	103920	23706	3944
11:35	MA23447-CCV1	1618	107210	23962	4186
11:40	MA23447-CCB1	1674	110970	24007	4599
11:46	MA23447-HSTD1	1571	104310	23693	3950
11:52	MA23447-CRIB1	1671	110660	24037	4530
11:58	MA23447-CRID1	1684	111240	24179	4614
12:04	MA23447-CRIB2	1693	111200	23989	4560
12:11	ZZZZZZ	1680	111250	24041	4600
12:17	ZZZZZZ	1688	111710	24119	4607
12:23	MA23447-ICV1	1671	110560	24046	4495
12:31	MA23447-ICB1	1701	111670	24009	4636
12:35	MA23447-ICCV1	1626	107430	23748	4198
12:46	MA23447-CCB2	1680	111140	23995	4598
12:50	ZZZZZZ	1690	111110	23938	4605
12:55	ZZZZZZ	1684	111200	23981	4600
13:00	MA23447-ICSA1	1500	98721	22844	3526
13:07	MA23447-ICSAB1	1498	98404	22807	3521
13:14	ZZZZZZ	1696	111700	23936	4626
13:20	MA23447-CCV2	1631	108020	23602	4206
13:26	MA23447-CCB3	1687	111820	23823	4607
13:32	ZZZZZZ	1697	111520	23782	4621
13:38	MP50471-MB1	1657	111190	24167	4573
13:44	MP50471-LC1	1659	110330	23752	4497
13:50	MP50471-S1	1553	103850	23199	4072
13:55	MP50471-S2	1554	103940	23247	4072
14:01	JA30868-2	1580	105620	23397	4195
14:07	MP50471-SD1	1670	110650	23734	4513
14:13	ZZZZZZ	1644	110640	23834	4485
14:19	ZZZZZZ	1645	109610	23718	4452
14:25	ZZZZZZ	1637	109180	23677	4405
14:31	MA23447-CCV3	1631	108020	23451	4198
14:37	MA23447-CCB4	1692	112310	23662	4616

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:43	ZZZZZZ	1647	109540	23666	4442
14:49	ZZZZZZ	1676	111030	23804	4540
14:55	ZZZZZZ	1651	109720	22525	4450
15:01	ZZZZZZ	1649	108170	23599	4375
15:07	ZZZZZZ	1634	109810	23584	4413
15:13	ZZZZZZ	1459	97964	22405	3747
15:19	ZZZZZZ	1596	106110	23232	4232
15:25	ZZZZZZ	1685	112090	23683	4627
15:31	ZZZZZZ	1510	100120	22660	3842
15:37	ZZZZZZ	1624	108010	23364	4349
15:43	MA23447-CCV4	1659	108420	23325	4247
15:49	MA23447-CCB5	1711	112680	23547	4642
15:55	ZZZZZZ	1711	112670	23617	4654
16:01	MA23447-ICSA2	1516	99328	22623	3536
16:07	MA23447-ICSAB2	1518	99493	22396	3542
16:13	MP50471-MB1	1717	113050	23536	4656
16:19	MP50478-MB1	1704	112420	23597	4629
16:26	MA23447-CCV5	1667	108370	23439	4262
16:32	MA23447-CCB6	1726	113110	23452	4675
16:38	ZZZZZZ	1593	107610	23134	4105
16:44	ZZZZZZ	1692	112220	23474	4629
16:50	ZZZZZZ	1646	109220	23299	4418
16:56	ZZZZZZ	1649	109740	23327	4454
17:02	ZZZZZZ	1679	111870	23545	4585
17:08	ZZZZZZ	1680	111730	23509	4607
17:14	ZZZZZZ	1703	112450	23655	4663
17:20	ZZZZZZ	1699	112990	23796	4668
17:26	ZZZZZZ	1700	113010	23947	4434
17:31	ZZZZZZ	1693	112420	23489	4638
17:38	MA23447-CCV6	1670	108540	23119	4267
17:43	MA23447-CCB7	1732	113490	23339	4692
17:49	ZZZZZZ	1646	109210	23010	4423
17:55	JA31420-14	1738	114030	24121	4319

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:01	MP50478-MB1	1714	112810	23397	4682
18:07	MP50478-LC1	1714	112320	23271	4590
18:13	MP50478-S1	1648	108630	23020	4319
18:19	MP50478-S2	1655	109130	23163	4335
18:25	JA30882-1	1688	111210	23405	4528
18:31	MP50478-SD1	1731	113330	23353	4663
18:37	ZZZZZZ	1712	112520	23255	4635
18:43	ZZZZZZ	1719	113100	23301	4688
18:49	MA23447-CCV7	1697	109830	22938	4314
18:55	MA23447-CCB8	1747	113640	23240	4725
19:01	ZZZZZZ	1641	108350	23005	4363
19:07	ZZZZZZ	1675	110080	23111	4467
19:13	ZZZZZZ	1714	112440	23236	4631
19:19	ZZZZZZ	1676	110080	23045	4462
19:25	ZZZZZZ	1705	112530	23269	4616
19:31	ZZZZZZ	1716	112280	23210	4635
19:37	ZZZZZZ	1721	112790	23182	4654
19:43	ZZZZZZ	1649	108900	22987	4385
19:48	ZZZZZZ	1679	110280	22993	4474
19:54	ZZZZZZ	1709	112080	23219	4620
20:00	MA23447-CCV8	1691	109990	22901	4305
20:06	MA23447-CCB9	1750	113560	23116	4717
20:12	ZZZZZZ	1660	109570	22858	4430
20:18	ZZZZZZ	1703	112440	23161	4628
20:24	ZZZZZZ	1697	111820	23063	4601
20:30	MP50477-MB1	1706	112670	23229	4663
20:36	MP50477-LC1	1701	112430	23028	4571
20:42	MP50477-S1	1607	106150	22599	4155
20:48	MP50477-S2	1611	106030	22636	4141
20:54	JA31630-8	1638	107670	22785	4309
21:00	MP50477-SD1	1717	111560	23029	4611
21:06	ZZZZZZ	1586	106030	22588	4176
21:13	MA23447-CCV9	1678	109540	22828	4287

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:18	MA23447-CCB10	1735	113170	23032	4690
21:24	ZZZZZZ	1576	105760	22565	4131
21:31	ZZZZZZ	1641	108740	22804	4373
21:37	ZZZZZZ	1531	103300	22355	4013
21:43	ZZZZZZ	1206	79043	20010	2900
21:49	ZZZZZZ	1613	110370	23088	4413
21:55	ZZZZZZ	1707	113120	23028	4662
22:01	ZZZZZZ	1629	107780	22559	4267
22:07	ZZZZZZ	1666	109530	22695	4422
22:13	ZZZZZZ	1660	109270	22720	4331
22:19	ZZZZZZ	1536	102360	21809	3887
22:25	MA23447-CCV10	1682	109580	22379	4287
22:31	MA23447-CCB11	1741	113290	22635	4705
22:37	ZZZZZZ	1593	105620	22177	4157
22:43	ZZZZZZ	1627	106820	22217	4262
22:49	ZZZZZZ	1633	107220	22174	4254
22:55	ZZZZZZ	1626	106980	22212	4262
23:01	ZZZZZZ	1616	106300	22162	4218
23:07	ZZZZZZ	1721	112660	22699	4690
23:13	ZZZZZZ	1699	113240	22746	4635
23:19	MP50472-MB1	1714	113460	22818	4684
23:25	MP50472-LC1	1709	112120	22634	4581
23:31	MA23447-CCV11	1684	109600	22356	4294
23:37	MA23447-CCB12	1745	113680	22343	4720
23:43	MA23447-ICSA3	1540	100060	21502	3579
23:49	MA23447-ICSAB3	1545	100160	21356	3591
23:55	ZZZZZZ	1745	114410	22378	4710
00:01	MA23447-CCV12	1679	108990	22012	4275
00:07	MA23447-CCB13	1746	113440	22454	4718
00:13	ZZZZZZ	1746	113270	22428	4713
00:19	ZZZZZZ	1736	113220	22332	4680
00:25	ZZZZZZ	1714	111600	22368	4587
00:31	ZZZZZZ	1601	104570	21527	4123

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:37	ZZZZZZ	1802	110750	23238	4317
00:44	ZZZZZZ	1592	103870	21492	4130
00:50	ZZZZZZ	1729	113460	22329	4662
00:56	ZZZZZZ	1735	113230	22221	4689
01:02	MA23447-CCV13	1680	109350	21949	4269
01:08	MA23447-CCB14	1741	113730	22292	4697
01:14	MP50472-S1	1637	107840	21985	4297
01:19	MP50472-S2	1651	108490	21993	4328
01:25	JA31581-5	1652	108590	22409	4331
01:31	MP50472-SD1	1727	112620	22275	4622
01:37	ZZZZZZ	1707	111480	22450	4454
01:43	ZZZZZZ	1678	110420	22433	4409
01:49	ZZZZZZ	1704	113160	23180	4181
01:55	ZZZZZZ	1704	112070	22280	4566
02:01	ZZZZZZ	1643	107940	21983	4263
02:07	ZZZZZZ	1688	110690	22152	4458
02:13	MA23447-CCV14	1691	109400	21821	4297
02:19	MA23447-CCB15	1742	113120	22094	4703
02:25	ZZZZZZ	1714	113050	22275	4599
02:31	ZZZZZZ	1682	110440	22169	4452
02:37	ZZZZZZ	1536	101760	21200	3869
02:43	ZZZZZZ	1550	102300	21306	3852
02:49	ZZZZZZ	1704	111990	22260	4552
02:55	ZZZZZZ	1681	110570	21665	4474
03:01	ZZZZZZ	1678	110410	21905	4478
03:07	ZZZZZZ	1706	111720	22014	4569
03:13	ZZZZZZ	1705	112020	21991	4576
03:19	ZZZZZZ	1690	111110	21966	4503
03:25	MA23447-CCV15	1689	109570	21669	4282
03:31	MA23447-CCB16	1742	113370	21920	4687
03:37	ZZZZZZ	1685	110790	21731	4486
03:43	ZZZZZZ	1729	113420	21998	4680
03:49	ZZZZZZ	1715	111910	21842	4595

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:55	ZZZZZZ	1746	114540	22305	4737
04:01	ZZZZZZ	1719	112220	22088	4468
04:07	ZZZZZZ	1734	112910	21971	4548
04:13	ZZZZZZ	1714	112500	21964	4375
04:19	ZZZZZZ	1569	105640	21348	4118
04:25	ZZZZZZ	1635	108100	21750	4301
04:31	ZZZZZZ	1699	110720	21552	4503
04:37	MA23447-CCV16	1696	109770	21299	4289
04:42	MA23447-CCB17	1734	113030	21759	4661
04:48	ZZZZZZ	1556	104690	20850	4130
04:54	ZZZZZZ	1634	107890	21086	4326
05:01	ZZZZZZ	1700	110780	21233	4510
05:07	ZZZZZZ	1692	111080	21481	4404
05:12	ZZZZZZ	1725	112470	21507	4518
05:18	ZZZZZZ	1672	110270	21232	4354
05:24	ZZZZZZ	1710	112480	21256	4485
05:30	ZZZZZZ	1751	113150	21487	4608
05:36	ZZZZZZ	1705	111540	21407	4436
05:42	ZZZZZZ	1729	112700	21313	4532
05:48	MA23447-CCV17	1686	109470	20862	4272
05:54	MA23447-CCB18	1743	113780	21134	4684
06:00	ZZZZZZ	1720	112010	21381	4480
06:06	ZZZZZZ	1719	112190	21374	4461
06:12	MP50490-MB1	1730	112960	21143	4676
06:18	MP50490-LC1	1720	112090	21051	4569
06:24	MP50490-S1	1690	110310	21065	4397
06:30	MP50490-S2	1686	110290	21054	4380
06:35	JA31034-1	1732	113520	21217	4610
06:41	MP50490-SD1	1731	113670	21245	4655
06:47	ZZZZZZ	1662	110510	21061	4507
06:53	ZZZZZZ	1711	112120	21142	4513
06:59	MA23447-CCV18	1682	109390	20859	4259
07:05	MA23447-CCB19	1738	113050	21034	4676

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23447
Parameters: Fe

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:11	MA23447-ICSA4	1547	99694	20058	3582
07:17	MA23447-ICSAB4	1542	100010	19970	3572
07:23	ZZZZZZ	1740	113080	21013	4679
07:29	ZZZZZZ	1736	113420	20913	4667
07:36	MA23447-CCV19	1674	109230	20599	4244
07:41	MA23447-CCB20	1727	111810	21063	4653
07:47	ZZZZZZ	1682	111130	20927	4513
07:53	ZZZZZZ	1698	111450	21110	4567
07:59	ZZZZZZ	1710	112870	20780	4577
08:05	ZZZZZZ	1678	110850	21035	4473
08:11	ZZZZZZ	1678	110700	21242	4513
08:17	ZZZZZZ	1671	109260	21203	4525
08:23	ZZZZZZ	1682	111140	20865	4537
08:29	MA23447-CCV20	1659	108230	20533	4234
08:35	MA23447-CCB21	1697	112040	20897	4611
08:41	MA23447-ICSA5	1504	99021	19982	3508
08:47	MA23447-ICSAB5	1511	98766	19957	3515
08:53	MA23447-CCV21	1640	108310	20421	4187
08:59	MA23447-CCB22	1701	112140	20908	4614
09:05	ZZZZZZ	1657	110290	20656	4446

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23447 Units: ug/l

Time:			12:31		12:46		13:26		14:37	
Sample ID:			ICB1		CCB2		CCB3		CCB4	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	1.7	<100	20.9	<100	13.5	<100	9.1	<100
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4								
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	anr							
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23447 Units: ug/l

Time:			15:49		16:32		17:43		18:55	
Sample ID:			CCB5		CCB6		CCB7		CCB8	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	24.5	<100	18.5	<100	15.4	<100	24.3	<100
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4								
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	anr							
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23447 Units: ug/l

Time:			20:06		21:18		22:31		23:37	
Sample ID:			CCB9		CCB10		CCB11		CCB12	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	8	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	1	anr							
Barium	200	.5	anr							
Beryllium	1.0	.4	anr							
Boron	100	1								
Cadmium	3.0	.3	anr							
Calcium	5000	17	anr							
Chromium	10	.4	anr							
Cobalt	50	.4	anr							
Copper	10	.6	anr							
Iron	100	9.3	16.1	<100	15.3	<100	19.7	<100	22.7	<100
Lead	3.0	.9	anr							
Magnesium	5000	14	anr							
Manganese	15	.3	anr							
Molybdenum	20	2.7								
Nickel	10	2.3	anr							
Palladium	50	1.5								
Potassium	10000	36	anr							
Selenium	10	1.2	anr							
Silicon	200	7.4								
Silver	10	.5	anr							
Sodium	10000	15	anr							
Strontium	10	.4								
Thallium	2.0	1.7	anr							
Tin	10	.9								
Titanium	10	.5								
Tungsten	50	5.7								
Vanadium	50	.3	anr							
Zinc	20	3.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23447 Units: ug/l

Time:			00:07	
Sample ID:			CCB13	
Metal	RL	IDL	raw	final
Aluminum	200	8	anr	
Antimony	6.0	1.3	anr	
Arsenic	3.0	1	anr	
Barium	200	.5	anr	
Beryllium	1.0	.4	anr	
Boron	100	1		
Cadmium	3.0	.3	anr	
Calcium	5000	17	anr	
Chromium	10	.4	anr	
Cobalt	50	.4	anr	
Copper	10	.6	anr	
Iron	100	9.3	31.4	<100*(a)
Lead	3.0	.9	anr	
Magnesium	5000	14	anr	
Manganese	15	.3	anr	
Molybdenum	20	2.7		
Nickel	10	2.3	anr	
Palladium	50	1.5		
Potassium	10000	36	anr	
Selenium	10	1.2	anr	
Silicon	200	7.4		
Silver	10	.5	anr	
Sodium	10000	15	anr	
Strontium	10	.4		
Thallium	2.0	1.7	anr	
Tin	10	.9		
Titanium	10	.5		
Tungsten	50	5.7		
Vanadium	50	.3	anr	
Zinc	20	3.6	anr	

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >100x CCB value.

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		12:35	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	41200	103.0
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		12:23			13:20			14:31	
Sample ID:	ICV	ICV1		CCV	CCV2		CCV	CCV3	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	5000	5230	104.6	40000	41400	103.5	40000	41400	103.5
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		15:43			16:26			17:38	
Sample ID:	CCV	CCV4		CCV	CCV5		CCV	CCV6	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	41300	103.3	40000	40600	101.5	40000	41000	102.5
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		18:49			20:00			21:13	
Sample ID:	CCV	CCV7		CCV	CCV8		CCV	CCV9	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	41100	102.8	40000	41000	102.5	40000	40900	102.3
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		22:25			23:31			00:01	
Sample ID:	CCV	CCV10		CCV	CCV11		CCV	CCV12	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40900	102.3	40000	41000	102.5	40000	40900	102.3
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23447 Units: ug/l

Time:		11:46	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	80000	79900	99.9
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23447 Units: ug/l

Time:				11:58	
Sample ID:	CRI	CRIA	CRID	CRID1	
Metal	True	True	True	Results	% Rec
Aluminum			100	anr	
Antimony	120		3.0	anr	
Arsenic	20	3.0	3.0	anr	
Barium	400		4.0	anr	
Beryllium	10	1.0	1.0	anr	
Boron			10		
Cadmium	10		1.0	anr	
Calcium			1000	anr	
Chromium	20		2.0	anr	
Cobalt	100		3.0	anr	
Copper	50		2.0	anr	
Iron					
Lead	6.0		2.5	anr	
Magnesium			100	anr	
Manganese	30		3.0	anr	
Molybdenum	40				
Nickel	80		4.0	anr	
Palladium	100				
Potassium			2000	anr	
Selenium	10		5.0	anr	
Silicon					
Silver	20		1.0	anr	
Sodium			1000	anr	
Strontium					
Thallium	20	2.0	2.0	anr	
Tin					
Titanium					
Tungsten					
Vanadium	100		2.0	anr	
Zinc	40		10		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23447 Units: ug/l

Time:		12:04	
Sample ID:	CRIB	CRIB2	
Metal	True	Results	% Rec
Aluminum	200		
Antimony	6.0		
Arsenic	8.0		
Barium	200		
Beryllium	5.0		
Boron	100		
Cadmium	3.0		
Calcium	5000		
Chromium	10		
Cobalt	50		
Copper	10		
Iron	100	110	110.0
Lead	3.0		
Magnesium	5000		
Manganese	15		
Molybdenum	20		
Nickel	10		
Palladium	50		
Potassium	10000		
Selenium	10		
Silicon	200		
Silver	10		
Sodium	10000		
Strontium	10		
Thallium	10		
Tin	10		
Titanium	10		
Tungsten	50		
Vanadium	50		
Zinc	20		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23447 Units: ug/l

Time:			13:00		13:07		16:01		16:07	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	510000	102.0	515000	103.0	515000	103.0	517000	103.4
Antimony		1000	-2.5		1030	103.0	-3.0		1040	104.0
Arsenic		1000	1.8		1030	103.0	0.60		1030	103.0
Barium		500	7.7		527	105.4	7.6		526	105.2
Beryllium		500	-0.30		505	101.0	-0.40		505	101.0
Boron			-1.3		-6.7		-1.2		-7.2	
Cadmium		1000	0.50		1080	108.0	0.50		1090	109.0
Calcium	400000	400000	389000	97.3	389000	97.3	385000	96.3	392000	98.0
Chromium		500	1.0		504	100.8	0.80		506	101.2
Cobalt		500	1.6		493	98.6	2.6		494	98.8
Copper		500	2.4		508	101.6	2.2		506	101.2
Iron	200000	200000	198000	99.0	197000	98.5	196000	98.0	197000	98.5
Lead		1000	0.30		950	95.0	-0.10		957	95.7
Magnesium	500000	500000	525000	105.0	525000	105.0	521000	104.2	529000	105.8
Manganese		500	-3.2		508	101.6	-3.3		510	102.0
Molybdenum		500	-3.4		495	99.0	-3.6		498	99.6
Nickel		1000	2.8		965	96.5	3.7		973	97.3
Palladium		500	-21		532	106.4	-20		534	106.8
Potassium			36.2		14.4		-13		-37	
Selenium		1000	4.0		1020	102.0	-0.20		1020	102.0
Silicon			-43		-43		-41		-42	
Silver		1000	1.5		1030	103.0	0.50		1040	104.0
Sodium			82.9		82.3		86.1		84.9	
Strontium			-8.2		-8.4		-8.1		-8.5	
Thallium		1000	2.8		985	98.5	0.40		989	98.9
Tin			-0.20		-0.10		-1.5		-1.3	
Titanium			3.1		2.6		3.4		2.6	
Tungsten		500	68.8		551	110.2	60.5		545	109.0
Vanadium		500	-0.80		503	100.6	-0.60		505	101.0
Zinc		1000	-0.80		976	97.6	-0.90		988	98.8

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SB111109M2.ICP Date Analyzed: 11/11/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23447 Units: ug/l

Time:			23:43		23:49	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	520000	104.0	521000	104.2
Antimony		1000	0.10		1030	103.0
Arsenic		1000	-0.90		1020	102.0
Barium		500	7.9		533	106.6
Beryllium		500	-0.30		505	101.0
Boron			-0.90		-6.9	
Cadmium		1000	0.30		1090	109.0
Calcium	400000	400000	397000	99.3	392000	98.0
Chromium		500	1.0		509	101.8
Cobalt		500	1.7		493	98.6
Copper		500	1.7		513	102.6
Iron	200000	200000	197000	98.5	197000	98.5
Lead		1000	0.80		955	95.5
Magnesium	500000	500000	529000	105.8	530000	106.0
Manganese		500	-3.7		512	102.4
Molybdenum		500	-3.4		496	99.2
Nickel		1000	3.7		972	97.2
Palladium		500	-18		542	108.4
Potassium			34.5		-23	
Selenium		1000	4.2		1020	102.0
Silicon			-42		-44	
Silver		1000	-1.4		1040	104.0
Sodium			89.7		83.8	
Strontium			-8.4		-8.4	
Thallium		1000	1.1		988	98.8
Tin			0.10		-1.5	
Titanium			2.9		2.8	
Tungsten		500	61.5		536	107.2
Vanadium		500	-0.10		511	102.2
Zinc		1000	-1.4		988	98.8

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23474
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:36	MA23474-STD1	1		STDA
11:42	MA23474-STD2	1		STDB
11:48	MA23474-CCV1	1		
11:54	MA23474-CCB1	1		
12:01	MA23474-STD3	1		STDA
12:06	MA23474-STD4	1		STDB
12:13	MA23474-HSTD1	1		See rerun.
12:19	MA23474-HSTD2	1		
12:25	MA23474-CRIB1	1		
12:31	MA23474-CRID1	1		
12:38	ZZZZZZ	1		
12:44	MA23474-ICV1	1		
12:52	MA23474-ICB1	1		
12:58	MA23474-ICCV1	1		
13:07	MA23474-CCB2	1		
13:12	ZZZZZZ	1		
13:18	MA23474-ICSA1	1		
13:24	MA23474-ICSAB1	1		
13:30	MA23474-CCV2	1		
13:36	MA23474-CCB3	1		
13:42	MA23474-CCV3	1		
13:48	MA23474-CCB4	1		
13:55	MP50421-PS1	1		
14:01	MP50413-PS1	1		To remake and rerun for K. Wrong spike amount.
14:07	MP50510-PS1	1		To remake and rerun for Mn, possible spiking problems.
14:13	MP50482-PS1	1		Sb.
14:19	MP50482-PS1	10		Al.
14:25	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:37	JA32491-1	1		(sample used for QC only; not part of login JA31420)
14:44	MP50539-SD1	5		
14:50	MA23474-CCV4	1		
14:56	MA23474-CCB5	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23474
Parameters: Se

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:02	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:27	MA23474-CRIB2	1		
15:33	MA23474-CRID2	1		
15:39	MA23474-CCV5	1		
15:45	MA23474-CCB6	1		
15:51	ZZZZZZ	1		
15:57	MA23474-CRID3	1		
16:03	ZZZZZZ	1		
16:09	ZZZZZZ	2		
16:16	ZZZZZZ	2		
16:22	ZZZZZZ	1		
16:28	ZZZZZZ	5		
16:34	MA23474-CCV6	1		
16:40	MA23474-CCB7	1		
16:46	MA23474-ICSA2	1		
16:53	MA23474-ICSAB2	1		
16:59	ZZZZZZ	1		
17:05	ZZZZZZ	2		
17:11	MA23474-CCV7	1		power outage.

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23474
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:36	MA23474-STD1	2222 R	120530 R	18253 R	5009 R
11:42	MA23474-STD2	2096	114190	17954	4436
11:48	MA23474-CCV1	2152	117380	18085	4652
11:54	MA23474-CCB1	2201	120820	18255	4975
12:01	MA23474-STD3	2197	120170	18183	4969
12:06	MA23474-STD4	2084	114360	17883	4418
12:13	MA23474-HSTD1	2078	114280	17933	4414
12:19	MA23474-HSTD2	2092	114640	17871	4432
12:25	MA23474-CRIB1	2195	119770	18167	4919
12:31	MA23474-CRID1	2209	120930	18290	4999
12:38	ZZZZZZ	2189	119240	18206	4849
12:44	MA23474-ICV1	2202	120210	18247	4909
12:52	MA23474-ICB1	2203	120380	18208	4975
12:58	MA23474-ICCV1	2142	116820	18034	4631
13:07	MA23474-CCB2	2212	120150	18132	5001
13:12	ZZZZZZ	5746 !	273060 !	27710 !	12472 !
13:18	MA23474-ICSA1	1955	106830	17392	3988
13:24	MA23474-ICSAB1	1943	105640	17480	3963
13:30	MA23474-CCV2	2123	116310	18009	4602
13:36	MA23474-CCB3	2198	119570	18064	4970
13:42	MA23474-CCV3	2141	116460	18190	4628
13:48	MA23474-CCB4	2208	118790	18092	4988
13:55	MP50421-PS1	2117	116950	18242	4749
14:01	MP50413-PS1	2070	114560	18526	4179
14:07	MP50510-PS1	2144	115930	18089	4737
14:13	MP50482-PS1	2470	131510	21057	4647
14:19	MP50482-PS1	2259	121310	18364	4953
14:25	ZZZZZZ	2205	119460	18224	4987
14:31	ZZZZZZ	2179	118140	18127	4888
14:37	JA32491-1	2212	119870	18656	4844
14:44	MP50539-SD1	2218	119570	18376	4978
14:50	MA23474-CCV4	2159	114990	17921	4654
14:56	MA23474-CCB5	2237	119580	18162	5021

INTERNAL STANDARD SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
Analyst: GT Run ID: MA23474
Parameters: Se

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:02	ZZZZZZ	2118	114680	17868	4597
15:08	ZZZZZZ	2167	116770	18052	4806
15:14	ZZZZZZ	2079	112780	17754	4539
15:20	ZZZZZZ	2207	118940	18209	4975
15:27	MA23474-CRIB2	2202	117260	18125	4902
15:33	MA23474-CRID2	2206	118550	18065	4949
15:39	MA23474-CCV5	2143	114940	17897	4607
15:45	MA23474-CCB6	2206	118370	17803	4948
15:51	ZZZZZZ	2128	116930	18302	4696
15:57	MA23474-CRID3	2191	118230	18020	4920
16:03	ZZZZZZ	2176	117530	18164	4910
16:09	ZZZZZZ	2072	110930	18022	4117
16:16	ZZZZZZ	2437	132160	20898	4613
16:22	ZZZZZZ	2184	118860	18149	4914
16:28	ZZZZZZ	2117	112340	17806	4555
16:34	MA23474-CCV6	2135	114750	17812	4586
16:40	MA23474-CCB7	2193	118070	17976	4912
16:46	MA23474-ICSA2	1936	104860	17276	3932
16:53	MA23474-ICSAB2	1932	105240	17279	3919
16:59	ZZZZZZ	2180	117690	18177	4891
17:05	ZZZZZZ	2214	119890	18662	4724
17:11	MA23474-CCV7	2116	113930	17705	4547

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23474 Units: ug/l

Time:			12:52		13:07		13:36		13:48	
Sample ID:			ICB1		CCB2		CCB3		CCB4	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	5.2	anr							
Antimony	6.0	1.6	anr							
Arsenic	3.0	1.3	anr							
Barium	200	.3	anr							
Beryllium	1.0	.2	anr							
Boron	100	1.7								
Cadmium	3.0	.2	anr							
Calcium	5000	36	anr							
Chromium	10	.5	anr							
Cobalt	50	.3	anr							
Copper	10	.9	anr							
Iron	100	44	anr							
Lead	3.0	1.2	anr							
Magnesium	5000	29	anr							
Manganese	15	.3	anr							
Molybdenum	20	.2	anr							
Nickel	10	.2	anr							
Palladium	50	3								
Potassium	10000	95	anr							
Selenium	10	2.1	1.1	<10	1.3	<10	-0.30	<10	0.20	<10
Silicon	200	9.6								
Silver	10	.5	anr							
Sodium	10000	450	anr							
Strontium	10	.3								
Thallium	2.0	1.3	anr							
Tin	10	.3								
Titanium	10	.6								
Tungsten	50	4.2								
Vanadium	50	.3	anr							
Zinc	20	.7	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA23474 Units: ug/l

Time:			14:56		15:45		16:40	
Sample ID:			CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	5.2	anr					
Antimony	6.0	1.6	anr					
Arsenic	3.0	1.3	anr					
Barium	200	.3	anr					
Beryllium	1.0	.2	anr					
Boron	100	1.7						
Cadmium	3.0	.2	anr					
Calcium	5000	36	anr					
Chromium	10	.5	anr					
Cobalt	50	.3	anr					
Copper	10	.9	anr					
Iron	100	44	anr					
Lead	3.0	1.2	anr					
Magnesium	5000	29	anr					
Manganese	15	.3	anr					
Molybdenum	20	.2	anr					
Nickel	10	.2	anr					
Palladium	50	3						
Potassium	10000	95	anr					
Selenium	10	2.1	0.20	<10	-0.10	<10	-0.10	<10
Silicon	200	9.6						
Silver	10	.5	anr					
Sodium	10000	450	anr					
Strontium	10	.3						
Thallium	2.0	1.3	anr					
Tin	10	.3						
Titanium	10	.6						
Tungsten	50	4.2						
Vanadium	50	.3	anr					
Zinc	20	.7	anr					

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23474 Units: ug/l

Time:		12:58	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	2000	2050	102.5
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23474 Units: ug/l

Time:		12:44			13:30			13:42	
Sample ID:	ICV	ICV1		CCV	CCV2		CCV	CCV3	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	1000	1000	100.0	2000	2060	103.0	2000	2050	102.5
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23474 Units: ug/l

Time:		14:50			15:39			16:34	
Sample ID:	CCV	CCV4		CCV	CCV5		CCV	CCV6	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	2000	2040	102.0	2000	2080	104.0	2000	2090	104.5
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23474 Units: ug/l

Time:		17:11	
Sample ID:	CCV	CCV7	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	2000	2080	104.0
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA23474 Units: ug/l

Time:		12:19	
Sample ID:	HSTD	HSTD2	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	4000	3980	99.5
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP
QC Limits: 50 to 150 % Recovery

Date Analyzed: 11/16/09
Run ID: MA23474

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Time:				12:31		15:33		15:57	
Sample ID:	CRI	CRIA	CRID	CRID1		CRID2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum			100	anr					
Antimony	120		3.0						
Arsenic	20	3.0	3.0						
Barium	400		4.0	anr					
Beryllium	10	1.0	1.0	anr					
Boron			10						
Cadmium	10		1.0	anr					
Calcium			1000	anr					
Chromium	20		2.0	anr					
Cobalt	100		3.0	anr					
Copper	50		2.0	anr					
Iron									
Lead	6.0		2.5	anr					
Magnesium			100	anr					
Manganese	30		3.0	anr					
Molybdenum	40								
Nickel	80		4.0	anr					
Palladium	100								
Potassium			2000	anr					
Selenium	10		5.0	4.6	92.0	5.5	110.0	6.0	120.0
Silicon									
Silver	20		1.0	anr					
Sodium			1000	anr					
Strontium									
Thallium	20	2.0	2.0	anr					
Tin									
Titanium									
Tungsten	50								
Vanadium	100		2.0	anr					
Zinc	40		10	anr					

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA23474 Units: ug/l

Time:		12:25		15:27	
Sample ID:	CRIB	CRIB1		CRIB2	
Metal	True	Results	% Rec	Results	% Rec
Aluminum	200				
Antimony	6.0				
Arsenic	8.0				
Barium	200				
Beryllium	5.0				
Boron	100				
Cadmium	3.0				
Calcium	5000				
Chromium	10				
Cobalt	50				
Copper	10				
Iron	100				
Lead	3.0				
Magnesium	5000				
Manganese	15				
Molybdenum	20				
Nickel	10				
Palladium	50				
Potassium	10000				
Selenium	10	10.2	102.0	11.5	115.0
Silicon	200				
Silver	10				
Sodium	10000				
Strontium	10				
Thallium	10				
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50				
Zinc	20				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: SA111609M2.ICP Date Analyzed: 11/16/09 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA23474 Units: ug/l

Time:			13:18		13:24		16:46		16:53	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	506000	101.2	507000	101.4	513000	102.6	513000	102.6
Antimony		1000	6.2		1070	107.0	8.2		1090	109.0
Arsenic		1000	0.0		1030	103.0	-1.1		1050	105.0
Barium		500	8.8		525	105.0	8.7		526	105.2
Beryllium		500	-0.10		510	102.0	-0.10		504	100.8
Boron			-2.0		-2.2		-5.1		-5.0	
Cadmium		1000	3.0		1110	111.0	3.1		1100	110.0
Calcium	400000	400000	387000	96.8	385000	96.3	378000	94.5	381000	95.3
Chromium		500	0.60		516	103.2	0.20		512	102.4
Cobalt		500	0.30		498	99.6	0.10		499	99.8
Copper		500	8.8		523	104.6	8.9		509	101.8
Iron	200000	200000	200000	100.0	198000	99.0	199000	99.5	197000	98.5
Lead		1000	-3.5		987	98.7	-0.90		989	98.9
Magnesium	500000	500000	504000	100.8	508000	101.6	508000	101.6	515000	103.0
Manganese		500	0.30		518	103.6	0.30		514	102.8
Molybdenum		500	-3.9		513	102.6	-4.8		524	104.8
Nickel		1000	0.90		969	96.9	0.40		960	96.0
Palladium		500	-5.5		1170	234.0*	-6.3		1170	234.0*
Potassium			123		167		150		192	
Selenium		1000	11.7		1050	105.0	8.1		1070	107.0
Silicon			12.2		11.8		14.2		13.6	
Silver		1000	0.70		1030	103.0	0.80		1020	102.0
Sodium			178		113		228		165	
Strontium			5.7		5.6		5.6		5.6	
Thallium		1000	3.1		983	98.3	3.7		998	99.8
Tin			-4.9		-5.8		-5.6		-6.3	
Titanium			2.6		2.9		2.6		2.2	
Tungsten		500	51.1		528	105.6	35.4		522	104.4
Vanadium		500	1.5		514	102.8	0.70		509	101.8
Zinc		1000	-3.1		999	99.9	-1.8		1010	101.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/06/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	8	16	-2.4	<200
Antimony	6.0	1.3	2.9	-0.50	<6.0
Arsenic	3.0	1	2.4	-0.40	<3.0
Barium	200	.5	.7	0.0	<200
Beryllium	1.0	.09	.1	0.76	<1.0
Boron	100	1	3.5		
Cadmium	3.0	.3	.4	-0.20	<3.0
Calcium	5000	17	22	10.9	<5000
Chromium	10	.4	.9	1.1	<10
Cobalt	50	.4	1.6	-0.50	<50
Copper	10	.6	1.6	-0.10	<10
Iron	100	9.3	12	9.4	<100
Lead	3.0	.9	1.7	-0.20	<3.0
Magnesium	5000	14	13	-3.0	<5000
Manganese	15	.3	.4	0.10	<15
Molybdenum	20	1.1	1		
Nickel	10	1.5	.6	1.3	<10
Palladium	50	1.5	3.2		
Potassium	10000	24	43	26.8	<10000
Selenium	10	1.2	3.7	1.0	<10
Silicon	200	7.4	38		
Silver	10	.5	1	-0.40	<10
Sodium	10000	15	19	2.9	<10000
Strontium	10	.4	.5		
Thallium	2.0	1.7	1.5	-0.30	<2.0
Tin	10	.9	2.1		
Titanium	10	.5	.6		
Tungsten	50	5.7	6.8		
Vanadium	50	.3	.9	-0.40	<50
Zinc	20	1.2	2.9	2.4	<20

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/06/09

Metal	JA31456-1 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	711	2570	2000	93.0	75-125
Antimony	0.0	452	500	90.4	75-125
Arsenic	9.7	1770	2000	88.0	75-125
Barium	227	1970	2000	87.2	75-125
Beryllium	0.0	43.9	50	87.8	75-125
Boron					
Cadmium	0.40	48.9	50	97.0	75-125
Calcium	108000	120000	25000	48.0 (a)	75-125
Chromium	2.7	182	200	89.7	75-125
Cobalt	0.0	454	500	90.8	75-125
Copper	2.4	230	250	91.0	75-125
Iron	2600	3610	1000	101.0	75-125
Lead	21.4	470	500	89.7	75-125
Magnesium	8310	29600	25000	85.2	75-125
Manganese	548	948	500	80.0	75-125
Molybdenum					
Nickel	0.0	468	500	93.6	75-125
Palladium					
Potassium	7400	28600	25000	84.8	75-125
Selenium	1.2	1310	2000	65.4N(b)	75-125
Silicon					
Silver	0.50	45.5	50	90.0	75-125
Sodium	22900	43500	25000	82.4	75-125
Strontium					
Thallium	0.0	1700	2000	85.0	75-125
Tin					
Titanium					
Tungsten					
Vanadium	1.5	450	500	89.7	75-125
Zinc	8.1	470	500	92.4	75-125

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/06/09

Metal	JA31456-1 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	711	2530	2000	91.0	1.6	20
Antimony	0.0	459	500	91.8	1.5	20
Arsenic	9.7	1800	2000	89.5	1.7	20
Barium	227	1970	2000	87.2	0.0	20
Beryllium	0.0	44.7	50	89.4	1.8	20
Boron						
Cadmium	0.40	49.8	50	98.8	1.8	20
Calcium	108000	118000	25000	40.0 (a)	1.7	20
Chromium	2.7	182	200	89.7	0.0	20
Cobalt	0.0	462	500	92.4	1.7	20
Copper	2.4	234	250	92.6	1.7	20
Iron	2600	3510	1000	91.0	2.8	20
Lead	21.4	478	500	91.3	1.7	20
Magnesium	8310	29400	25000	84.4	0.7	20
Manganese	548	947	500	79.8	0.1	20
Molybdenum						
Nickel	0.0	475	500	95.0	1.5	20
Palladium						
Potassium	7400	28300	25000	83.6	1.1	20
Selenium	1.2	1340	2000	66.9N(b)	2.3	20
Silicon						
Silver	0.50	45.9	50	90.8	0.9	20
Sodium	22900	43100	25000	80.8	0.9	20
Strontium						
Thallium	0.0	1730	2000	86.5	1.7	20
Tin						
Titanium						
Tungsten						
Vanadium	1.5	453	500	90.3	0.7	20
Zinc	8.1	471	500	92.6	0.2	20

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/06/09

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	5070	5000	101.4	80-120
Antimony	483	500	96.6	80-120
Arsenic	476	500	95.2	80-120
Barium	497	500	99.4	80-120
Beryllium	492	500	98.4	80-120
Boron				
Cadmium	492	500	98.4	80-120
Calcium	5740	5500	104.4	80-120
Chromium	513	500	102.6	80-120
Cobalt	515	500	103.0	80-120
Copper	463	500	92.6	80-120
Iron	5670	5500	103.1	80-120
Lead	522	500	104.4	80-120
Magnesium	5430	5500	98.7	80-120
Manganese	523	500	104.6	80-120
Molybdenum				
Nickel	533	500	106.6	80-120
Palladium				
Potassium	9610	10000	96.1	80-120
Selenium	485	500	97.0	80-120
Silicon				
Silver	192	200	96.0	80-120
Sodium	10000	10000	100.0	80-120
Strontium				
Thallium	483	500	96.6	80-120
Tin				
Titanium				
Tungsten				
Vanadium	511	500	102.2	80-120
Zinc	526	500	105.2	80-120

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/06/09

Metal	JA31456-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	711	704	0.9	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	9.70	11.3	16.5 (a)	0-10
Barium	227	225	0.7	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.400	0.00	100.0(a)	0-10
Calcium	108000	108000	0.3	0-10
Chromium	2.70	3.10	14.8 (a)	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	2.40	3.00	25.0 (a)	0-10
Iron	2600	2620	0.8	0-10
Lead	21.4	19.4	9.3	0-10
Magnesium	8310	8340	0.4	0-10
Manganese	548	558	1.8	0-10
Molybdenum				
Nickel	0.00	0.00	NC	0-10
Palladium				
Potassium	7400	7390	0.1	0-10
Selenium	1.20	0.00	100.0(a)	0-10
Silicon				
Silver	0.500	0.00	100.0(a)	0-10
Sodium	22900	22500	1.7	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	1.50	0.00	100.0(a)	0-10
Zinc	8.10	0.00	100.0(a)	0-10

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/16/09

Metal	Sample ml	Final ml	JA31456-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Potassium										
Selenium	9.9	10	0	0	5.8	0.1	1	10	58.0*(a)	75-125
Silicon										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

Associated samples MP50421: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50421
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

Metal

(a) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50428
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 11/06/09

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.081	.082	0.055	<0.20

Associated samples MP50428: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50428 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/06/09

Metal	JA31456-1 Original	MS	Spikelot HGPW2	% Rec	QC Limits
Mercury	0.097	2.0	2	95.2	75-125

Associated samples MP50428: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50428 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/06/09

Metal	JA31456-1 Original	MSD	Spikelot HGPW2	% Rec	MSD RPD	QC Limit
Mercury	0.097	2.0	2	95.2	0.0	20

Associated samples MP50428: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50428
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 11/06/09

Metal	LCS Result	Spikelot HGPW2	% Rec	QC Limits
Mercury	2.0	2	100.0	80-120

Associated samples MP50428: JA31420-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.12.3

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50440 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/07/09

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0082	.012	0.0042	<0.033

Associated samples MP50440: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50440 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/07/09

Metal	JA31386-7 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	1.1	1.4	0.423	71.0	58-143

Associated samples MP50440: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50440 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/07/09

Metal	JA31386-7 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	1.1	1.3	0.409	48.9N(a)	7.4	32

Associated samples MP50440: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50440
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 11/07/09

Metal	LCS Result	Spikelot HGLCS61540	% Rec	QC Limits
Mercury	5.2	5.15	101.0	72-128

Associated samples MP50440: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50447
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	2.5	1.4	1.6	<20
Antimony	2.0	.31	.54	-0.028	<2.0
Arsenic	2.0	.24	.5	0.11	<2.0
Barium	20	.14	.06	0.057	<20
Beryllium	0.50	.009	.01	0.0084	<0.50
Cadmium	0.50	.04	.07	-0.021	<0.50
Calcium	500	2.7	5.6	0.89	<500
Chromium	1.0	.13	.11	0.044	<1.0
Cobalt	5.0	.08	.19	-0.016	<5.0
Copper	2.5	.11	.2	0.023	<2.5
Iron	10	1.9	3.5	2.5	<10
Lead	2.0	.27	.26	-0.072	<2.0
Magnesium	500	3.1	1.5	0.69	<500
Manganese	1.5	.03	.03	0.080	<1.5
Molybdenum	2.0	.11	.19		
Nickel	4.0	.15	.21	0.0067	<4.0
Palladium	5.0	.46	.41		
Potassium	1000	2.4	6.8	78.7	<1000
Selenium	2.0	.54	.46	-0.088	<2.0
Silicon	20	1.1	4.7		
Silver	1.0	.12	.12	0.036	<1.0
Sodium	1000	20	25	52.4	<1000
Thallium	1.0	.39	.78	0.56	<1.0
Tin	5.0	.36	1.5		
Vanadium	5.0	.14	.12	0.032	<5.0
Zinc	2.0	.12	.25	0.032	<2.0

Associated samples MP50447: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50447
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	JA31420-1 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	4620	11300	6380	104.7	75-125
Antimony	1.4	67.7	118	56.1N(a)	75-125
Arsenic	9.8	412	473	85.1	75-125
Barium	40.1	463	473	89.5	75-125
Beryllium	0.28	10.8	11.8	89.0	75-125
Cadmium	0.79	11.0	11.8	86.4	75-125
Calcium	346	2150	1480	122.1	75-125
Chromium	19.8	67.3	47.3	100.5	75-125
Cobalt	5.1	110	118	88.8	75-125
Copper	17.3	115	59.1	165.4N(a	75-125
Iron	24400	27300	6140	47.2N(a)	75-125
Lead	18.0	120	118	86.3	75-125
Magnesium	1490	3150	1480	112.4	75-125
Manganese	85.3	199	118	96.2	75-125
Molybdenum					
Nickel	10.0	117	118	90.6	75-125
Palladium					
Potassium	714	2150	1480	97.2	75-125
Selenium	0.0	397	473	84.0	75-125
Silicon					
Silver	0.0	10.8	11.8	91.4	75-125
Sodium	112	1420	1480	88.6	75-125
Thallium	0.0	405	473	85.7	75-125
Tin					
Vanadium	26.7	126	118	84.0	75-125
Zinc	48.3	160	118	94.5	75-125

Associated samples MP50447: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50447
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	JA31420-1 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	4620	12700	6700	120.6	11.7	20
Antimony	1.4	63.9	124	50.4N(a)	5.8	20
Arsenic	9.8	415	496	81.6	0.7	20
Barium	40.1	481	496	88.8	3.8	20
Beryllium	0.28	10.8	12.4	84.8	0.0	20
Cadmium	0.79	11.6	12.4	87.1	5.3	20
Calcium	346	2170	1550	117.6	0.9	20
Chromium	19.8	104	49.6	169.7N(a	42.8 (b)	20
Cobalt	5.1	113	124	87.0	2.7	20
Copper	17.3	115	62	157.5N(a	0.0	20
Iron	24400	27400	6450	46.5N(a)	0.4	20
Lead	18.0	125	124	86.2	4.1	20
Magnesium	1490	3380	1550	121.9	7.0	20
Manganese	85.3	205	124	96.5	3.0	20
Molybdenum						
Nickel	10.0	134	124	99.9	13.5	20
Palladium						
Potassium	714	2390	1550	108.1	10.6	20
Selenium	0.0	394	496	79.4	0.8	20
Silicon						
Silver	0.0	11.4	12.4	91.9	5.4	20
Sodium	112	1530	1550	91.4	7.5	20
Thallium	0.0	403	496	81.2	0.5	20
Tin						
Vanadium	26.7	124	124	78.4	1.6	20
Zinc	48.3	171	124	98.9	6.6	20

Associated samples MP50447: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50447
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	4780	5400	88.5	80-120
Antimony	90.9	100	90.9	80-120
Arsenic	365	400	91.3	80-120
Barium	373	400	93.3	80-120
Beryllium	9.5	10	95.0	80-120
Cadmium	9.1	10	91.0	80-120
Calcium	1150	1250	92.0	80-120
Chromium	37.8	40	94.5	80-120
Cobalt	93.2	100	93.2	80-120
Copper	47.2	50	94.4	80-120
Iron	4970	5200	95.6	80-120
Lead	90.2	100	90.2	80-120
Magnesium	1160	1250	92.8	80-120
Manganese	93.3	100	93.3	80-120
Molybdenum				
Nickel	92.6	100	92.6	80-120
Palladium				
Potassium	1120	1250	89.6	80-120
Selenium	357	400	89.3	80-120
Silicon				
Silver	9.4	10	94.0	80-120
Sodium	1210	1250	96.8	80-120
Thallium	369	400	92.3	80-120
Tin				
Vanadium	92.6	100	92.6	80-120
Zinc	92.5	100	92.5	80-120

Associated samples MP50447: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50447
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/09/09

Metal	JA31420-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	39100	41500	6.2	0-10
Antimony	11.8	0.00	100.0(a)	0-10
Arsenic	83.0	93.6	12.8 (a)	0-10
Barium	340	364	7.2	0-10
Beryllium	2.41	2.75	14.3 (a)	0-10
Cadmium	6.67	6.40	4.1	0-10
Calcium	2930	3200	9.1	0-10
Chromium	168	182	8.7	0-10
Cobalt	43.2	46.3	7.2	0-10
Copper	146	159	8.9	0-10
Iron	207000	222000	7.5	0-10
Lead	152	173	13.7*(b)	0-10
Magnesium	12600	13600	7.6	0-10
Manganese	722	775	7.4	0-10
Molybdenum				
Nickel	84.7	93.7	10.6*(b)	0-10
Palladium				
Potassium	6050	8890	47.0*(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	947	4580	383.9(a)	0-10
Thallium	0.00	0.00	NC	0-10
Tin				
Vanadium	226	246	8.7	0-10
Zinc	409	457	11.7*(b)	0-10

Associated samples MP50447: JA31420-1, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50448
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	2.5	1.4	3.8	<20
Antimony	2.0	.31	.54	-0.14	<2.0
Arsenic	2.0	.24	.5	0.27	<2.0
Barium	20	.14	.06	0.33	<20
Beryllium	0.50	.009	.01	0.020	<0.50
Cadmium	0.50	.04	.07	0.037	<0.50
Calcium	500	2.7	5.6	2.5	<500
Chromium	1.0	.13	.11	0.020	<1.0
Cobalt	5.0	.08	.19	0.015	<5.0
Copper	2.5	.11	.2	0.025	<2.5
Iron	10	1.9	3.5	3.6	<10
Lead	2.0	.27	.26	-0.23	<2.0
Magnesium	500	3.1	1.5	3.5	<500
Manganese	1.5	.03	.03	0.044	<1.5
Molybdenum	2.0	.11	.19		
Nickel	4.0	.15	.21	0.038	<4.0
Palladium	5.0	.46	.41		
Potassium	1000	2.4	6.8	72.5	<1000
Selenium	2.0	.54	.46	-0.11	<2.0
Silicon	20	1.1	4.7		
Silver	1.0	.12	.12	0.044	<1.0
Sodium	1000	20	25	65.5	<1000
Thallium	1.0	.39	.78	0.62	<1.0
Tin	5.0	.36	1.5		
Vanadium	5.0	.14	.12	0.010	<5.0
Zinc	2.0	.12	.25	0.27	<2.0

Associated samples MP50448: JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50448
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	JA31420-25 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	3130	9210	5820	104.4	75-125
Antimony	0.57	71.6	108	65.9N(a)	75-125
Arsenic	3.5	379	431	87.0	75-125
Barium	10.7	397	431	89.5	75-125
Beryllium	0.27	10	10.8	90.2	75-125
Cadmium	0.28	9.8	10.8	88.3	75-125
Calcium	291	1460	1350	86.7	75-125
Chromium	8.4	54.9	43.1	107.8	75-125
Cobalt	3.4	98.8	108	88.5	75-125
Copper	10.6	59.6	53.9	90.9	75-125
Iron	16000	25600	5610	171.2N(a	75-125
Lead	2.5	95.7	108	86.4	75-125
Magnesium	1180	2880	1350	126.1N(a	75-125
Manganese	69.6	186	108	107.9	75-125
Molybdenum					
Nickel	6.5	105	108	91.3	75-125
Palladium					
Potassium	620	1980	1350	100.9	75-125
Selenium	0.0	366	431	84.8	75-125
Silicon					
Silver	0.0	9.8	10.8	90.9	75-125
Sodium	116	1310	1350	88.6	75-125
Thallium	0.0	376	431	87.2	75-125
Tin					
Vanadium	14.3	113	108	91.5	75-125
Zinc	20.0	121	108	93.6	75-125

Associated samples MP50448: JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50448
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	JA31420-25 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	3130	9680	6300	103.9	5.0	20
Antimony	0.57	81.5	117	69.3N(a)	12.9	20
Arsenic	3.5	428	467	90.9	12.1	20
Barium	10.7	449	467	93.9	12.3	20
Beryllium	0.27	11.2	11.7	93.6	11.3	20
Cadmium	0.28	10.9	11.7	91.0	10.6	20
Calcium	291	1650	1460	93.1	12.2	20
Chromium	8.4	54.8	46.7	99.4	0.2	20
Cobalt	3.4	111	117	92.2	11.6	20
Copper	10.6	67.4	58.4	97.3	12.3	20
Iron	16000	24100	6070	133.4N(a	6.0	20
Lead	2.5	109	117	91.2	13.0	20
Magnesium	1180	2830	1460	113.1	1.8	20
Manganese	69.6	187	117	100.6	0.5	20
Molybdenum						
Nickel	6.5	115	117	92.9	9.1	20
Palladium						
Potassium	620	2060	1460	98.7	4.0	20
Selenium	0.0	417	467	89.3	13.0	20
Silicon						
Silver	0.0	11.1	11.7	95.1	12.4	20
Sodium	116	1470	1460	92.8	11.5	20
Thallium	0.0	425	467	91.0	12.2	20
Tin						
Vanadium	14.3	124	117	94.0	9.3	20
Zinc	20.0	135	117	98.5	10.9	20

Associated samples MP50448: JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50448
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 11/09/09

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	4780	5400	88.5	80-120
Antimony	91.0	100	91.0	80-120
Arsenic	365	400	91.3	80-120
Barium	374	400	93.5	80-120
Beryllium	9.5	10	95.0	80-120
Cadmium	9.1	10	91.0	80-120
Calcium	1150	1250	92.0	80-120
Chromium	37.7	40	94.3	80-120
Cobalt	92.9	100	92.9	80-120
Copper	47.3	50	94.6	80-120
Iron	4960	5200	95.4	80-120
Lead	89.7	100	89.7	80-120
Magnesium	1160	1250	92.8	80-120
Manganese	93.3	100	93.3	80-120
Molybdenum				
Nickel	93.0	100	93.0	80-120
Palladium				
Potassium	1120	1250	89.6	80-120
Selenium	357	400	89.3	80-120
Silicon				
Silver	9.5	10	95.0	80-120
Sodium	1220	1250	97.6	80-120
Thallium	368	400	92.0	80-120
Tin				
Vanadium	92.6	100	92.6	80-120
Zinc	92.7	100	92.7	80-120

Associated samples MP50448: JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50448
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/09/09

Metal	JA31420-25 Original	SDL 1:5	%DIF	QC Limits
Aluminum	28200	29200	3.8	0-10
Antimony	5.11	0.00	100.0(a)	0-10
Arsenic	31.2	36.2	16.0 (a)	0-10
Barium	96.6	102	5.6	0-10
Beryllium	2.43	2.70	11.1 (a)	0-10
Cadmium	2.50	0.00	100.0(a)	0-10
Calcium	2620	2810	7.2	0-10
Chromium	76.0	82.7	8.9	0-10
Cobalt	30.3	32.4	6.9	0-10
Copper	95.2	99.2	4.2	0-10
Iron	144000	151000	4.7	0-10
Lead	22.6	24.4	7.7	0-10
Magnesium	10600	11100	4.8	0-10
Manganese	627	657	4.8	0-10
Molybdenum				
Nickel	59.0	62.3	5.6	0-10
Palladium				
Potassium	5580	8450	51.3*(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	1050	4540	333.4(a)	0-10
Thallium	0.00	0.00	NC	0-10
Tin				
Vanadium	129	137	5.8	0-10
Zinc	180	205	13.5*(b)	0-10

Associated samples MP50448: JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50457 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/09/09

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0082	.012	-0.00050	<0.033

Associated samples MP50457: JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50457 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/09/09

Metal	JA32059-6 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.019	0.37	0.331	106.1	58-143

Associated samples MP50457: JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50457 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 11/09/09

Metal	JA32059-6 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.019	0.39	0.343	108.3	5.3	32

Associated samples MP50457: JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

QC Batch ID: MP50457
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 11/09/09

Metal	LCS Result	Spikelot HGLCS61540	% Rec	QC Limits
Mercury	5.3	5.15	102.9	72-128

Associated samples MP50457: JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP51363/GN31831	0.24	0.0	mg/kg	1	1.02	102.0	90-110%
Cyanide	GP51424/GN31995	0.010	0.0	mg/l	0.0833	0.105	126.1*(a)	90-110%
Cyanide	GP51438/GN31995	0.24	0.0	mg/kg	1	1.04	104.0	90-110%

Associated Samples:
Batch GP51363: JA31420-1, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9
Batch GP51424: JA31420-26
Batch GP51438: JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25
(*) Outside of QC limits
(a) Spike blank indicates possible high bias, but all associated samples < DL.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP51363/GN31831	JA31420-1	mg/kg	0.0	0.0	0.0	0-81%
Cyanide	GP51424/GN31995	JA31456-2	mg/l	0.0047	0.0086	58.6(a)	0-26%
Cyanide	GP51438/GN31995	JA31751-7	mg/kg	0.15	0.42	94.7(a)	0-81%

Associated Samples:
Batch GP51363: JA31420-1, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9
Batch GP51424: JA31420-26
Batch GP51438: JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP51363/GN31831	JA31420-1	mg/kg	0.0	1.17	1.2	102.6	36-146%
Cyanide	GP51424/GN31995	JA31453-1	mg/l	0.0048	0.0833	0.0096	5.8N(a)	27-127%
Cyanide	GP51438/GN31995	JA31420-18	mg/kg	0.086	1.06	1.0	86.3	36-146%

Associated Samples:
Batch GP51363: JA31420-1, JA31420-10, JA31420-11, JA31420-12, JA31420-13, JA31420-14, JA31420-15, JA31420-16, JA31420-17, JA31420-2, JA31420-3, JA31420-4, JA31420-5, JA31420-6, JA31420-7, JA31420-8, JA31420-9
Batch GP51424: JA31420-26
Batch GP51438: JA31420-18, JA31420-19, JA31420-20, JA31420-21, JA31420-22, JA31420-23, JA31420-24, JA31420-25
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Analyst: NR Run ID: GN31831
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:45	GN31831-STD1	1		STDA
09:46	GN31831-STD2	1		STDB
09:48	GN31831-STD3	1		STDC
09:49	GN31831-STD4	1		STDD
09:50	GN31831-STD5	1		STDE
09:51	GN31831-STD6	1		STDF
09:52	GN31831-STD7	1		STDG
09:53	ZZZZZZ	1		
09:55	ZZZZZZ	1		
09:56	ZZZZZZ	1		
09:57	ZZZZZZ	1		
10:04	GN31831-ICV1	1		
10:05	GN31831-ICB1	1		
10:06	GN31831-CCV1	1		
10:08	GN31831-CCB1	1		
10:09	GP51378-MB1	1		
10:10	GP51378-B1	1		
10:11	GP51378-D1	1		
10:12	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:15	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:18	ZZZZZZ	1		
10:19	JA31278-8B	1		(sample used for QC only; not part of login JA31420)
10:21	GN31831-CCV2	1		
10:22	GN31831-CCB2	1		
10:23	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:25	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Analyst: NR Run ID: GN31831
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:30	GP51363-MB1	1		
10:31	GP51363-B1	1		
10:33	GP51363-S1	1		%sol
10:34	GP51363-S2	1		Over calibration curve. See rerun at dilution.
10:35	GN31831-CCV3	1		
10:36	GN31831-CCB3	1		
10:37	GP51363-D1	1		%sol
10:38	JA31420-1	1		%sol
10:40	JA31420-2	1		%sol
10:41	JA31420-3	1		%sol
10:42	JA31420-4	1		%sol
10:43	JA31420-5	1		%sol
10:44	JA31420-6	1		%sol
10:46	JA31420-7	1		%sol
10:47	JA31420-8	1		%sol
10:48	JA31420-9	1		%sol
10:49	GN31831-CCV4	1		
10:50	GN31831-CCB4	1		
10:52	JA31420-10	1		%sol
10:53	JA31420-11	1		%sol
10:54	JA31420-12	1		%sol
10:55	JA31420-13	1		%sol
10:56	JA31420-14	1		%sol
10:58	JA31420-15	1		%sol
10:59	JA30861-10	1		(sample used for QC only; not part of login JA31420)
11:00	JA31420-16	1		%sol
11:01	JA31420-17	1		%sol
11:02	GP51364-MB1	1		
11:04	GN31831-CCV5	1		
11:05	GN31831-CCB5	1		
11:06	GP51364-B1	1		
11:07	GP51364-S1	1		
11:08	GP51364-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Analyst: NR Run ID: GN31831
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:10	GP51364-D1	1		
11:11	ZZZZZZ	1		
11:12	JA31456-1	1		(sample used for QC only; not part of login JA31420)
11:13	JA31459-1	1		(sample used for QC only; not part of login JA31420)
11:14	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:18	GN31831-CCV6	1		
11:19	GN31831-CCB6	1		
11:20	ZZZZZZ	1		
11:21	GP51363-S1	5		GP51363-S2
11:23	GP51363-S2	1		
11:24	JA30861-10	5		(sample used for QC only; not part of login JA31420)
11:25	JA30861-10	10		(sample used for QC only; not part of login JA31420)
11:28	GN31831-CCV7	1		
11:29	GN31831-CCB7	1		
12:05	GN31831-CCV8	1		
12:06	GN31831-CCB8	1		
12:07	GP51375-MB1	1		
12:09	GP51375-B1	1		
12:10	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:19	GN31831-CCV9	1		
12:20	GN31831-CCB9	1		
12:22	GP51333-MB1	1		
12:23	GP51333-B1	1		
12:24	GP51333-B2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Analyst: NR Run ID: GN31831
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:29	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	GN31831-CCV10	1		
12:35	GN31831-CCB10	1		
12:36	ZZZZZZ	1		
12:39	GN31831-CCV11	1		
12:40	GN31831-CCB11	1		
14:03	GN31831-CCV12	1		
14:04	GN31831-CCB12	1		
14:06	GP51364-MB2	1		
14:06	GP51330-MB2	1		
14:07	GP51364-B2	1		
14:07	GP51330-B2	1		
14:08	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	GN31831-CCV13	1		
14:19	GN31831-CCB13	1		
14:20	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:24	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Analyst: NR Run ID: GN31831
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:26	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:30	GN31831-CCV14	1		
14:31	GN31831-CCB14	1		
14:36	GN31831-CCV15	1		
14:37	GN31831-CCB15	1		
14:38	ZZZZZZ	3		
14:41	GN31831-CCV16	1		
14:42	GN31831-CCB16	1		
14:47	GN31831-CCV17	1		
14:49	GN31831-CCB17	1		
14:50	ZZZZZZ	2		
14:53	GN31831-CCV18	1		
14:54	GN31831-CCB18	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Run ID: GN31831 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN31831-ICV1	Cyanide	0.28	0.010	0.0040	.3	93.3	90-110
GN31831-ICB1	Cyanide	0.0040 U	0.010	0.0040			
GN31831-CCV1	Cyanide	0.40	0.010	0.0040	.4	100.0	90-110
GN31831-CCB1	Cyanide	0.0040 U	0.010	0.0040			
GN31831-CCV2	Cyanide	0.40	0.010	0.0040	.4	100.0	90-110
GN31831-CCB2	Cyanide	0.0040 U	0.010	0.0040			
GN31831-CCV3	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB3	Cyanide	-0.0053	0.010	0.0040			
GN31831-CCV4	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB4	Cyanide	-0.0057	0.010	0.0040			
GN31831-CCV5	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB5	Cyanide	-0.0054	0.010	0.0040			
GN31831-CCV6	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB6	Cyanide	-0.0059	0.010	0.0040			
GN31831-CCV7	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB7	Cyanide	-0.0062	0.010	0.0040			
GN31831-CCV8	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB8	Cyanide	-0.0049	0.010	0.0040			
GN31831-CCV9	Cyanide	0.40	0.010	0.0040	.4	100.0	90-110
GN31831-CCB9	Cyanide	-0.0054	0.010	0.0040			
GN31831-CCV10	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB10	Cyanide	-0.0046	0.010	0.0040			
GN31831-CCV11	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB11	Cyanide	-0.0054	0.010	0.0040			
GN31831-CCV12	Cyanide	0.40	0.010	0.0040	.4	100.0	90-110
GN31831-CCB12	Cyanide	-0.0049	0.010	0.0040			
GN31831-CCV13	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB13	Cyanide	-0.0059	0.010	0.0040			
GN31831-CCV14	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB14	Cyanide	-0.0058	0.010	0.0040			
GN31831-CCV15	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB15	Cyanide	-0.0048	0.010	0.0040			
GN31831-CCV16	Cyanide	0.42	0.010	0.0040	.4	105.0	90-110
GN31831-CCB16	Cyanide	-0.0045	0.010	0.0040			

Instrument QC Summary
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: C103109W2.CN Date Analyzed: 10/31/09 Methods: EPA 335.4/LACHAT, SM20 4500CNI, SW846 9012 M/LAC
Run ID: GN31831 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN31831-CCV17	Cyanide	0.41	0.010	0.0040	.4	102.5	90-110
GN31831-CCB17	Cyanide	-0.0049	0.010	0.0040			
GN31831-CCV18	Cyanide	0.42	0.010	0.0040	.4	105.0	90-110
GN31831-CCB18	Cyanide	-0.0045	0.010	0.0040			

(!) Outside of QC limits

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: B110509W1.CN Date Analyzed: 11/05/09 Methods: EPA 335.4/LACHAT, SW846 9012 M/LACHAT, SW846 CHA
Analyst: JA Run ID: GN31995
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:21	GN31995-STD1	1		STDA
09:22	GN31995-STD2	1		STDB
09:23	GN31995-STD3	1		STDC
09:24	GN31995-STD4	1		STDD
09:25	GN31995-STD5	1		STDE
09:26	GN31995-STD6	1		STDF
09:27	GN31995-STD7	1		STDG
09:34	GN31995-ICV1	1		
09:35	GN31995-ICB1	1		
09:36	GN31995-CCV1	1		
09:37	GN31995-CCB1	1		
09:38	GP51376-MB1	1		
09:39	GP51376-B1	1		
09:40	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:42	ZZZZZZ	1		
09:43	ZZZZZZ	1		
09:44	ZZZZZZ	1		
09:45	ZZZZZZ	1		
09:46	ZZZZZZ	1		
09:47	ZZZZZZ	1		
09:48	GN31995-CCV2	1		
09:49	GN31995-CCB2	1		
09:50	GP51378-MB2	1		
09:51	GP51378-B2	1		SPIKE BLANK FAILS SAMPLES PUT BACK TO NEED
09:52	ZZZZZZ	1		
09:53	ZZZZZZ	1		
09:54	ZZZZZZ	1		
09:55	ZZZZZZ	1		
09:56	ZZZZZZ	1		
09:59	GN31995-CCV3	1		
10:00	GN31995-CCB3	1		
10:57	GN31995-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: B110509W1.CN Date Analyzed: 11/05/09 Methods: EPA 335.4/LACHAT, SW846 9012 M/LACHAT, SW846 CHA
Analyst: JA Run ID: GN31995
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:58	GN31995-CCB4	1		
10:59	GP51424-MB1	1		
11:00	GP51424-B1	1		Spike blank indicates possible high bias, but all associated samples < DL.
11:01	GP51424-S1	1		
11:02	GP51424-D1	1		
11:03	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:05	JA31420-26	1		
11:06	JA31453-1	1		(sample used for QC only; not part of login JA31420)
11:07	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:09	GN31995-CCV5	1		
11:10	GN31995-CCB5	1		
11:11	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:13	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:16	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:18	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:20	JA31456-2	1		(sample used for QC only; not part of login JA31420)
11:21	GN31995-CCV6	1		
11:22	GN31995-CCB6	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:25	ZZZZZZ	1		
11:26	GP51424-S2	1		
11:27	GP51438-MB1	1		
11:28	GP51438-B1	1		
11:29	GP51438-D1	1		%sol
11:30	GP51438-S1	1		%sol

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: B110509W1.CN Date Analyzed: 11/05/09 Methods: EPA 335.4/LACHAT, SW846 9012 M/LACHAT, SW846 CHA
Analyst: JA Run ID: GN31995
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:31	GP51438-S2	1		%sol
11:32	JA31420-18	1		%sol
11:33	GN31995-CCV7	1		
11:34	GN31995-CCB7	1		
11:35	JA31420-19	1		%sol
11:36	JA31420-20	1		%sol
11:37	JA31420-21	1		%sol
11:38	JA31420-22	1		%sol
11:39	JA31420-23	1		%sol
11:40	JA31420-24	1		%sol
11:41	JA31420-25	1		%sol
11:42	JA31751-7	1		(sample used for QC only; not part of login JA31420)
11:43	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:45	GN31995-CCV8	1		
11:46	GN31995-CCB8	1		
11:47	ZZZZZZ	1		
11:48	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:50	ZZZZZZ	1		
11:51	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:53	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:58	GN31995-CCV9	1		
11:59	GN31995-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JA31420
Account: ENVNJSP - EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

File ID: B110509W1.CN
Date Analyzed: 11/05/09
Run ID: GN31995
Methods: EPA 335.4/LACHAT, SW846 9012 M/LACHAT, SW846 CHA
Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN31995-ICV1	Cyanide	0.28	0.010	0.0040	.3	93.3	90-110
GN31995-ICB1	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV1	Cyanide	0.39	0.010	0.0040	.4	97.5	90-110
GN31995-CCB1	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV2	Cyanide	0.38	0.010	0.0040	.4	95.0	90-110
GN31995-CCB2	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV3	Cyanide	0.38	0.010	0.0040	.4	95.0	90-110
GN31995-CCB3	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV4	Cyanide	0.39	0.010	0.0040	.4	97.5	90-110
GN31995-CCB4	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV5	Cyanide	0.40	0.010	0.0040	.4	100.0	90-110
GN31995-CCB5	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV6	Cyanide	0.38	0.010	0.0040	.4	95.0	90-110
GN31995-CCB6	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV7	Cyanide	0.39	0.010	0.0040	.4	97.5	90-110
GN31995-CCB7	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV8	Cyanide	0.39	0.010	0.0040	.4	97.5	90-110
GN31995-CCB8	Cyanide	0.0040 U	0.010	0.0040			
GN31995-CCV9	Cyanide	0.38	0.010	0.0040	.4	95.0	90-110
GN31995-CCB9	Cyanide	0.0040 U	0.010	0.0040			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: JA31420-1 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-1-0-2

Wet Weight (Total)	30.37	g
Tare Weight	21.02	g
Dry Weight (Total)	28.56	g
Solids, Percent	80.6	%

Sample: JA31420-2 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-1-2-4

Wet Weight (Total)	34.75	g
Tare Weight	25.68	g
Dry Weight (Total)	33.85	g
Solids, Percent	90.1	%

Sample: JA31420-3 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-1-4-6

Wet Weight (Total)	36.33	g
Tare Weight	28.64	g
Dry Weight (Total)	34.96	g
Solids, Percent	82.2	%

Sample: JA31420-4 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-1-6-8

Wet Weight (Total)	28.91	g
Tare Weight	20.5	g
Dry Weight (Total)	27.65	g
Solids, Percent	85	%

Sample: JA31420-5 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-1-8-10

Wet Weight (Total)	34.03	g
Tare Weight	24.79	g
Dry Weight (Total)	32.91	g
Solids, Percent	87.9	%

Sample: JA31420-6 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-2-0-2

Wet Weight (Total)	30.84	g
Tare Weight	23.95	g
Dry Weight (Total)	29.92	g
Solids, Percent	86.6	%

Percent Solids Raw Data Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: JA31420-7 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-2-2-4

Wet Weight (Total)	35.67	g
Tare Weight	27.54	g
Dry Weight (Total)	34.81	g
Solids, Percent	89.4	%

Sample: JA31420-8 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-2-4-6

Wet Weight (Total)	33.68	g
Tare Weight	23.87	g
Dry Weight (Total)	32.55	g
Solids, Percent	88.5	%

Sample: JA31420-9 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-2-6-8

Wet Weight (Total)	35.68	g
Tare Weight	26.85	g
Dry Weight (Total)	34.6	g
Solids, Percent	87.8	%

Sample: JA31420-10 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-2-8-10

Wet Weight (Total)	35.79	g
Tare Weight	27.01	g
Dry Weight (Total)	34.12	g
Solids, Percent	81	%

Sample: JA31420-11 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-3-0-2

Wet Weight (Total)	33.36	g
Tare Weight	27.61	g
Dry Weight (Total)	31.42	g
Solids, Percent	66.3	%

Sample: JA31420-12 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-3-2-4

Wet Weight (Total)	30.3	g
Tare Weight	24.12	g
Dry Weight (Total)	28.3	g
Solids, Percent	67.6	%

Percent Solids Raw Data Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: JA31420-13 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-3-4-6

Wet Weight (Total)	31.03	g
Tare Weight	24.62	g
Dry Weight (Total)	29.31	g
Solids, Percent	73.2	%

Sample: JA31420-14 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-3-6-8

Wet Weight (Total)	30.64	g
Tare Weight	22.68	g
Dry Weight (Total)	27.93	g
Solids, Percent	66	%

Sample: JA31420-15 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-3-8-10

Wet Weight (Total)	30.24	g
Tare Weight	25.17	g
Dry Weight (Total)	29.23	g
Solids, Percent	80.1	%

Sample: JA31420-16 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-4-0-2

Wet Weight (Total)	37.07	g
Tare Weight	28.26	g
Dry Weight (Total)	35.55	g
Solids, Percent	82.7	%

Sample: JA31420-17 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-4-2-4

Wet Weight (Total)	30.53	g
Tare Weight	23.26	g
Dry Weight (Total)	29.02	g
Solids, Percent	79.2	%

Sample: JA31420-18 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-4-4-6

Wet Weight (Total)	34.97	g
Tare Weight	27.06	g
Dry Weight (Total)	33.61	g
Solids, Percent	82.8	%

Percent Solids Raw Data Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: JA31420-19 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-4-6-8

Wet Weight (Total)	32.92	g
Tare Weight	27.83	g
Dry Weight (Total)	31.63	g
Solids, Percent	74.7	%

Sample: JA31420-20 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-4-8-10

Wet Weight (Total)	26.86	g
Tare Weight	19.72	g
Dry Weight (Total)	24.61	g
Solids, Percent	68.5	%

Sample: JA31420-21 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-5-0-2

Wet Weight (Total)	33.15	g
Tare Weight	23.42	g
Dry Weight (Total)	31	g
Solids, Percent	77.9	%

Sample: JA31420-22 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-5-2-4

Wet Weight (Total)	32.11	g
Tare Weight	24.66	g
Dry Weight (Total)	28.11	g
Solids, Percent	46.3	%

Sample: JA31420-23 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: 4LF-5-4-6

Wet Weight (Total)	37.14	g
Tare Weight	27.64	g
Dry Weight (Total)	35.94	g
Solids, Percent	87.4	%

Sample: JA31420-24 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-5-6-8

Wet Weight (Total)	31.73	g
Tare Weight	22.48	g
Dry Weight (Total)	29.04	g
Solids, Percent	70.9	%

Percent Solids Raw Data Summary

Job Number: JA31420
Account: ENVNJSP EnviroTrac, Ltd.
Project: Hess-Port Reading, NJ

Sample: JA31420-25 **Analyzed:** 05-NOV-09 by DD **Method:** SM18 2540G
ClientID: NLF-5-8-10

Wet Weight (Total)	34.43	g
Tare Weight	25.66	g
Dry Weight (Total)	33.4	g
Solids, Percent	88.3	%

Appendix D

Ecological Screening Criteria

NJDEP Ecological Screening Criteria

Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
		Fresh Water (FW2) Criteria			Saline Water (SE & SC) Criteria			Fresh Water Criteria		Saline Water Criteria		Wildlife PRGs (flora and fauna)	Terrestrial Plant Tox Benchmarks	EcoSSLs[20]			
		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
Acenaphthene	83-32-9		38[8]	670(h)			990(h)	See Saline Criteria[3] 0.00671[8]		0.016	0.500	20[9]					
Acenaphthylene	208-96-8		4840[8]					See Saline Criteria[3] 0.00587[8]		0.044	0.640	682[8]					
Acrolein	107-02-8		0.19[8]	6.1(h)			9.3(h)	0.00000152[8]				5.27[8]					
Acrylonitrile	107-13-1		66[8]	0.051(hc)			0.25(hc)	0.0012[8]				0.0239[8]					
Aldrin	309-00-2	3	0.017[8]	0.000049(hc)	1.3		0.000050(hc)	0.002	8	See Freshwater Criteria[6]		0.00332[8]					
Aluminum	7429-90-5							2.55%[15]			1.8%[15]		50				
Ammonia, un-ionized	7664-41-7	See N.J.A.C. 7:9B-1.14(e)			See N.J.A.C. 7:9B-												
Anthracene	120-12-7		0.035[8]	8,300(h)			40,000(h)	0.22 0.0572[8]	370	0.085	1.1	1,480[8]					
Antimony	7440-36-0		80[8]	5.6(h)(T)			640(h)(T)		3[15]		9.3[15]	5[9]	5		78		0.27
Arsenic	7440-38-2	340(d)(s)	150(d)(s)	0.017(hc)(T)	69(d)(s)	36(d)(s)	0.061(hc)(T)	6 9.9790[8]	33	8.2	70	9.9[9,10]	10	18		43	46
Asbestos	1332-21-4			7x10[6]fibers/L >10um(h)													
Barium	7440-39-3		220[8]	2,000(h)(T)							48[15]	283[11]	500		330		2,000
Benz(a)anthracene	56-55-3		0.025[8]	0.038(hc)			0.18(hc)	0.320 0.108[8]	1,480	0.261	1.6	5.21[8]					
Benzene	71-43-2		114[8] 824[16]	0.15(hc)			3.3(hc)	See Saline Criteria[3] 0.142[8]		0.34[7]		0.255[8]					
Benzidine	92-87-5			0.000086(hc)			0.00020(hc)										
3,4-Benzofluoranthene (Benzo(b)fluoranthene)	205-99-2		9.07[8]	0.038(hc)			0.18(hc)	10.4[8]			1.800[15]	59.8[8]					
Benzo(k)fluoranthene	207-08-9			0.38(hc)			1.8(hc)	0.240	1,340	See Freshwater Criteria[6]		148[8]					
Benzo(g,h,i)perylene	191-24-2		7.64[8]					0.170	320	See Freshwater Criteria[6]		119[8]					
Benzo(a)pyrene (BaP)	50-32-8		0.014[8]	0.0038(hc)			0.018(hc)	0.37 0.150[8]	1,440	0.430	1.6	1.52[8]					
Beryllium	7440-41-7		3.6[8]	6.0(h)(T)			42(h)(T)					10[9]	10		40		21
BHC (Benzohexachloride)								0.003	12	See Freshwater Criteria[6]							
alpha-BHC (alpha-HCH)	319-84-6		12.4[8]	0.0026(hc)			0.0049(hc)	0.006	10			0.0994[8]					
beta-BHC (beta-HCH)	319-85-7		0.495[8]	0.0091(hc)			0.017(hc)	0.005	21			0.00398[8]					
gamma-BHC (gamma-HCH/Lindane)	58-89-9	0.95	0.026[8]	0.98(h)	0.16		1.8(h)	0.003	1			0.00500[8]					
Biphenyl	92-52-4											60[9]					
Bis(2-chloroethyl) ether	111-44-4		1900[8]	0.030(hc)			0.53(hc)	3.520[8]				23.7[8]					
Bis(2-chloroisopropyl) ether	108-60-1			1,400(h)			65,000(h)					19.9[8]					
Bis(2-ethylhexyl) phthalate	117-81-7		0.3[8]	1.2(hc)			2.2(hc)	0.182[8]	0.750[15]	0.18216[15]	2.64651[15]	0.925[8]					
Boron	7440-42-8											0.5[9]	0.5				
Bromine	7726-95-6											10[9]	10				
Bromodichloromethane (Dichlorobromomethane)	75-27-4			0.55(hc)			17(hc)					0.540[8]					
Bromoform	75-25-2		230[8]	4.3(hc)			140(hc)	0.492[8]				15.9[8]					

NJDEP Ecological Screening Criteria

Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
		Fresh Water (FW2) Criteria			Saline Water (SE & SC) Criteria			Fresh Water Criteria		Saline Water Criteria		Wildlife PRGs (flora and fauna)	Terrestrial Plant Tox Benchmarks	EcoSSLs[20]			
		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
Butyl benzyl phthalate	85-68-7		23[8]	150(h)			190(h)	1.970[8]			0.063[15]	0.239[8]					
Cadmium	7440-43-9	(a)	(a)	3.4(h)(T)	40(d)(s)	8.8(d)(s)	16(h)(T)	0.6 0.990[8]	10	1.2	9.6	4[9,11]	4	32	140	0.77	0.36
Carbon tetrachloride	56-23-5		240[8]	0.33(hc)			2.3(hc)	1.450[8]				2.98[8]					
Chlordane	57-74-9	2.4	0.0043	0.00010(hc)	0.09	0.004	0.00011(hc)	0.007 0.00324[8]	6	See Freshwater Criteria[6]		0.224[8]					
Chloride	16887-00-6	860,000	230,000	250,000													
Chlorine Produced Oxidants (CPO)	7782-50-5	19	11		13	7.5											
3-Chloroaniline	108-42-9											20[9]	20				
Chlorobenzene	108-90-7		47[8]	210(h)			2,500(h)	0.291[8]				40[12] 13.1[8]					
Chloroform	67-66-3		140[8]	68(h)			2,100(h)	0.121[8]				1.19[8]					
2-Chloronaphthalene	91-58-7		0.396[8]	1,000(h)			1,600(h)	0.417[8]				0.0122[8]					
2-Chlorophenol	95-57-8		24[8]	81(h)			150(h)	0.0319[8]			0.008[15]	0.243[8]					
3-Chlorophenol	108-43-0											7[12]	7				
Chlorpyrifos	2921-88-2	0.083	0.041		0.011	0.0056											
Chromium	7440-47-3		42[8]	92(h)(T)			750(h)(T)	26 43.4[8]	110	81	370	0.4[12]	1				
Chromium+3	16065-83-1	(a)	(a)													26	34
Chromium+6	18540-29-9	15(d)(s)	10(d)(s)		1,100(d)(s)	50(d)(s)											130
Chrysene	218-01-9			3.8(hc)			18(hc)	0.34 0.166[8]	460	0.384	2.8	4.73[8]					
Cobalt	7440-48-4		24[8]					50[8]			10[15]	20[9] 0.14[8]	20	13		120	230
Copper	7440-50-8	(a)	(a)	1,300(h)(T)	4.8(d)(s)	3.1(d)(s)		16 31.6[8]	110	34	270	60[12] 5.4[8]	100	70	80	28	49
Cyanide (Total)	57-12-5	22(fc)	5.2(fc)	140(h)	1.0(fc)	1.0(fc)	140(h)	0.0001[8]				1.33[8]					
4,4'-DDD (p,p'-TDE)	72-54-8			0.00031(hc)			0.00031(hc)	0.008 0.00488[8]	6	0.002[15]	0.02[15]	0.758[8]					
4,4'-DDE	72-55-9		0.00000000451[8]	0.00022(hc)			0.00022(hc)	0.005 0.00316[8]	19	0.0022	0.027	0.596[8]					
4,4'-DDT	50-29-3	1.1	0.001	0.00022(hc)	0.13	0.001	0.00022(hc)	0.008 0.00416[8]	71	0.001[15]	0.007[15]	0.0035[8]					
DDT (Total)								0.007	12	0.0016	0.046					0.093[21]	0.021[21]
Demeton	8065-48-3		0.1			0.1											
Dibenz(a,h)anthracene	53-70-3			0.0038(hc)			0.018(hc)	0.06 0.033[8]	130	0.063	0.26	18.4[8]					
Dibromochloromethane (Chlorodibromomethane)	124-48-1			0.40(hc)			13(hc)					2.05[8]					
Di-n-butyl phthalate	84-74-2		9.7[8]	2,000(h)			4,500(h)	1.114[8]	0.110[15]		0.058[15]	200[9] 0.15[8]					
1,2-Dichlorobenzene	95-50-1		14[8]	2,000(h)			6,200(h)	0.294[8]			0.013[15]	2.96[8]					
1,3-Dichlorobenzene	541-73-1		38[8]	2,200(h)			8,300(h)	1.315[8]				37.7[8]					
1,4-Dichlorobenzene	106-46-7		9.4[8]	550(h)			2,200(h)	0.318[8]			0.110[15]	20[12] 0.546[8]					
3,3'-Dichlorobenzidine	91-94-1		4.5[8]	0.021(hc)			0.028(hc)	0.127[8]				0.646[8]					
1,2-Dichloroethane	107-06-2		910[8]	0.29(hc)			28(hc)	0.260[8]				21.2[8]					
1,1-Dichloroethylene	75-35-4		65[8]	4.7(h)			100(h)	0.0194[8]				8.28[8]					
trans-1,2-Dichloroethylene	156-60-5		970[8]	590(h)			43,000(h)	0.654[8]				0.784[8]					

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Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
		Fresh Water (FW2) Criteria			Saline Water (SE & SC) Criteria			Fresh Water Criteria		Saline Water Criteria		Wildlife PRGs (flora and fauna)	Terrestrial Plant Tox Benchmarks	EcoSSLs[20]			
		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
2,4-Dichlorophenol	120-83-2		11[8]	77(h)			290(h)	0.0817[8]			0.005[15]	87.5[8]					
3,4-Dichlorophenol	95-77-2											20[9,12]	20				
1,2-Dichloropropane	78-87-5		360[8]	0.50(hc)			15(hc)	0.333[8]				32.7[8]					
1,3-Dichloropropene (cis and trans)	542-75-6			0.34(hc)			21(hc)										
Dieldrin	60-57-1	0.24	0.056	0.000052(hc)	0.71	0.0019	0.000054(hc)	0.002 0.0019[8]	91	See Freshwater Criteria[6]		0.00238[8]				0.022	0.0049
Diethyl phthalate	84-66-2		110[8]	17,000(h)			44,000(h)	0.295[8]			0.006[15]	100[9] 24.8[8]					
2,4-Dimethyl phenol	105-67-9		100[8]	380(h)			850(h)	0.304[8]				0.010[8]					
4,6-Dinitro-o-cresol	534-52-1			13(h)			280(h)										
2,4-Dinitrophenol	51-28-5		19[8]	69(h)			5,300(h)	0.00621[8]				20[9] 0.0609[8]	20				
2,4-Dinitrotoluene	121-14-2		44[8]	0.11(hc)			3.4(hc)	0.0144[8]				1.28[8]					
1,2-Diphenylhydrazine	122-66-7			0.036(hc)			0.20(hc)										
Endosulfans (alpha and beta)	115-29-7	0.22	0.056	62(h)	0.034	0.0087	89(h)										
Endosulfan sulfate	1031-07-8		2.22[8]	62(h)			89(h)	0.0346[8]				0.0358[8]					
Endrin	72-20-8	0.086	0.036	0.059(h)	0.037	0.0023	0.060(h)	0.003 0.00222[8]	130	See Freshwater Criteria[6]		0.0101[8]					
Endrin aldehyde	7421-93-4		0.15[8]	0.059(h)			0.060(h)	0.480[8]				0.0105[8]					
Ethylbenzene	100-41-4		14[8] 81[16]	530(h)			2,100(h)	See Saline Criteria[3] 0.175[8]		1.4[7]		5.16[8]					
Fluoranthene	206-44-0		1.9[8]	130(h)			140(h)	0.75 0.423[8]	1,020	0.600	5.1	122[8]					
Fluorene	86-73-7		19[8]	1,100(h)			5,300(h)	0.19 0.0774[8]	160	0.019	0.54	122[8]					
Fluorine	7782-41-4											200[9]	200				
Furan	110-00-9											600[9]					
Guthion	86-50-0		0.01			0.01											
Heptachlor	76-44-8	0.52	0.0038	0.000079(hc)	0.053	0.0036	0.000079(hc)	0.0006[8]	0.010[15]		0.0003[15]	0.00598[8]					
Heptachlor epoxide	1024-57-3	0.52	0.0038	0.000039(hc)	0.053	0.0036	0.000039(hc)	0.005 0.00247[8]	5	See Freshwater Criteria[6]		0.152[8]					
Hexachlorobenzene	118-74-1		0.0003[8]	0.00028(hc)			0.00029(hc)	0.020	24	See Freshwater Criteria[6]		0.199[8]					
Hexachlorobutadiene	87-68-3		0.053[8]	0.44(hc)			18(hc)	0.0265[8]			0.0013[15]	0.0398[8]					
Hexachlorocyclopentadiene	77-47-4		77[8]	40(h)			1,100(h)	0.901[8]				10[9] 0.755[8]					
Hexachloroethane	67-72-1		8[8]	1.4(hc)			3.3(hc)	0.584[8]			0.073[15]	0.596[8]					
Indeno(1,2,3-cd)pyrene	193-39-5		4.31[8]	0.038(hc)			0.18(hc)	0.200	320	See Freshwater Criteria[6]		109[8]					
Iodine	7553-56-2											4[9]	4				
Isophorone	78-59-1		920[8]	35(hc)			960(hc)	0.432[8]				139[8]					
Lead	7439-92-1	38(d)(s)	5.4(d)(s)	5.0(h)(T)	210(d)(s)	24(d)(s)		31 35.8[8]	250	47	218	40.5[11] 0.0537[8]	50	120	1,700	11	56
Lithium	7439-93-2											2[9]	2				
Malathion	121-75-5		0.1			0.1											
Manganese	7439-96-5						100(h)(T)	630[15]	1,100[15]		260[15]		500	220	450	4,300	4,000
Mercury	7439-97-6	1.4(d)(s)	0.77(d)(s)	0.050(h)(T)	1.8(d)(s)	0.94(d)(s)	0.051(h)(T)	0.2 0.174[8]	2	0.15	0.71	0.00051[11] 0.1[8]	0.3				

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Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
		Fresh Water (FW2) Criteria			Saline Water (SE & SC) Criteria			Fresh Water Criteria		Saline Water Criteria		Wildlife PRGs (flora and fauna)	Terrestrial Plant Tox Benchmarks	EcoSSLs[20]			
		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
Methoxychlor	72-43-5		0.03	40(h)		0.03		0.0136[8]				0.0199[8]					
Methyl bromide (bromomethane)	74-83-9		16[8]	47(h)			1,500(h)	0.00137[8]				0.235[8]					
Methyl t-butyl ether (MTBE)	1634-04-4	151,000[17]	51,450[16] 51,000[17]	70(h)	53,000[17]	18,000[17]											
Methylene chloride	75-09-2		940[8]	2.5(hc)			310(hc)	0.159[8]				4.05[8]					
2-Methylnaphthalene	91-57-6		330[8]					See Saline Criteria[3] 0.0202[8]		0.070	0.67	3.24[8]					
Mirex	2385-85-5		0.001			0.001		0.007	130	See Freshwater Criteria[6]							
Molybdenum	7439-98-7											2[9]	2				
Naphthalene	91-20-3		13[8]					See Saline Criteria[3] 0.176[8]		0.16	2.1	0.0994[8]					
Nickel	7440-02-0	(a)	(a)	500(h)(T)	64(d)(s)	22(d)(s)	1,700(h)(T)	16 22.7[8]	75	21	52	30[9] 13.6[8]	30	38	280	210	130
Nitrate (as N)	14797-55-8			10,000(h)													
Nitrobenzene	98-95-3		220[8]	17(h)			690(h)	0.145[8]				1.31[8]					
4-Nitrophenol	100-02-7		60[8]					0.0133[8]				7[12] 5.12[8]					
N-Nitrosodi-n-butylamine	924-16-3			0.0063(hc)			0.22(hc)										
N-Nitrosodiethylamine	55-18-5		768[8]	0.00023(hc)			0.13(hc)	0.0228[8]				0.0693[8]					
N-Nitrosodimethylamine	62-75-9			0.00069(hc)			3.0(hc)					0.0000321[8]					
N-Nitrosodiphenylamine	86-30-6			3.3(hc)			6.0(hc)					0.545[8]					
N-Nitrosodi-n-propylamine (Di-n propylnitrosamine)	621-64-7			0.0050(hc)			0.51(hc)										
N-Nitrosopyrrolidine	930-55-2			0.016(hc)			34(hc)					0.0126[8]					
Parathion	56-38-2	0.065	0.013					0.000757[8]				0.00034[8]					
Pentachlorobenzene	608-93-5		0.019[8]	1.4(h)			1.5(h)	0.024[8]				20[12] 0.497[8]					
Pentachlorophenol	87-86-5	(b)	(b)	0.27(hc)	13	7.9	3.0(hc)	23[8]			0.017[15]	3[9] 0.119[8]	3	5.0	31	2.1	2.8
Phenanthrene	85-01-8		3.6[8]					0.56 0.204[8]	950	0.240	1.5	45.7[8]					
Phenol	108-95-2		180[8]	10,000(h)			860,000(h)	0.0491[8]	0.048[15]		0.130[15]	30[12] 120[8]					
Phosphorous (yellow)	7723-14-0					0.1											
PCB Aroclor 1016								0.007	53	See Freshwater Criteria[6]							
PCB Aroclor 1248								0.030	150	See Freshwater Criteria[6]							
PCB Aroclor 1254								0.060	34	See Freshwater Criteria[6]							
PCB Aroclor 1260								0.005	24	See Freshwater Criteria[6]							
Polychlorinated biphenyls (PCBs)	1336-36-3		0.014	0.000064(hc)		0.03	0.000064(hc)	0.07 0.0598[8]	530	0.023	0.180	0.371[10] 0.000332[8]	40				
Pyrene	129-00-0		0.30[8]	830(h)			4,000(h)	0.490 0.195[8]	850	0.665	2.6	78.5[8]					

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Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
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		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
Selenium	7782-49-2	20(s)	5.0(s)	170(h)(T)	290(d)(s)	71(d)(s)	4,200(h)(T)				1[15]	0.21[13] 0.0276[8]	1	0.52	4.1	1.2	0.63
Silver	7440-22-4	(a)	0.12[8]	170(h)(T)	1.9(d)(s)		40,000(h)(T)	See Saline Criteria[3] 0.5[8]		1.0	3.7	2[9] 4.04[8]	2	560		4.2	14
Styrene	100-42-5		32[8]					0.254[8]				300[9] 4.69[8]	300				
Sulfide-hydrogen sulfide (undissociated)	7783-06-4		2			2											
TCDF												0.00084[14]					
Technetium	7440-26-8											0.2[9]	0.2				
tert-Butyl alcohol (TBA)	75-65-0		355,000[16]														
2,3,5,6-Tetrachloroaniline	3481-20-7											20[9]	20				
1,2,3,4-Tetrachlorobenzene	634-66-2											10[9]					
1,2,4,5-Tetrachlorobenzene	95-94-3		3[8]	0.97(h)			1.1(h)	1.252[8]				2.02[8]					
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6		0.000000003[8]	0.0000000050(hc)			0.0000000051(hc)	0.00000012[8]	0.0000088[15]		0.0000036[15]	0.00000315[10] 0.000000199[8]					
1,1,2,2-Tetrachloroethane	79-34-5		380[8]	4.7(h)			110(h)	0.850[8]				0.127[8]					
Tetrachloroethylene	127-18-4		45[8]	0.34(hc)			1.6(hc)	See Saline Criteria[3] 0.990[8]		0.45[7]		9.92[8]					
2,3,4,5-Tetrachlorophenol	4901-51-3											20[12]					
Thallium	7440-28-0		10[8]	0.24(h)(T)			0.47(h)(T)					1[9]	1				
Tin	7440-31-5		180[8]								>3.4[15]	50[9]	50				
Toluene	108-88-3		253[8] 822[16]	1,300(h)			15,000(h)	See Saline Criteria[3] 1.220[8]		2.5[7]		200[9]	200				
Toxaphene	8001-35-2	0.73	0.0002	0.00028(hc)	0.21	0.0002	0.00028(hc)	0.000077[8]				0.119[8]					
2,4,5-Trichloroaniline	636-30-6											20[9]	20				
1,2,3-Trichlorobenzene	87-61-6											20[12]					
1,2,4-Trichlorobenzene	120-82-1		30[8]	21(h)			42(h)	5.062[8]			>0.0048[15]	20[12]					
1,1,1-Trichloroethane	71-55-6		76[8]	120(h)			2,600(h)	0.213[8]				29.8[8]					
1,1,2-Trichloroethane	79-00-5		500[8]	13(h)			350(h)	0.518[8]				28.6[8]					
Trichloroethylene	79-01-6		47[8]	1.0(hc)			12(hc)	See Saline Criteria[3] 0.112[8]		1.6[7]		12.4[8]					
2,4,5-Trichlorophenol	95-95-4			1,800(h)			3,600(h)				0.003[15]	9[12]	4				
2,4,6-Trichlorophenol	88-06-2		4.9[8]	0.58(hc)			1.0(hc)	0.208[8]			0.006[15]	4[9]					
Uranium	7440-61-1											5[9]	5				
Vanadium	7440-62-2		12[8]								57[15]	2[9]	2			7.8	280
Vinyl chloride	75-01-4		930[8]	0.082(hc)			8.1(hc)	0.202[8]				0.646[8]					
Xylene	1330-20-7		27[8] 296[16]					See Saline Criteria[3] 0.433[8]		>0.12[7]		10[8]					
Zinc	7440-66-6	(a)	(a)	7,400(h)(T)	90(d)(s)	81(d)(s)	26,000(h)(T)	120 121[8]	820	150	410	8.5[11] 6.62[8]	50	160	120	46	79
Low Molecular Weight PAHs[18]															29		100
High Molecular Weight PAHs[19]															18		1.1

NJDEP Ecological Screening Criteria

Toxic Substance	CAS Number	Surface Water (ug/L)						Sediment (mg/kg)				Soil (mg/kg)					
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		Aquatic		Human Health	Aquatic		Human Health	Lowest Effects Level (LEL)[1]	Severe Effects Level (SEL)[2]	Effects Range Low (ER-L)[4]	Effects Range Medium (ER-M)[5]			Plants	Soil Invertebrates	Avian	Mammalian
		Acute	Chronic		Acute	Chronic											
Total PAHs								4.0	10,000	4.0	45.0						

(a) Criteria as listed at (f)3 below as formula
(b) Criteria as listed at (f)4 below as formula
(d) Criterion is expressed as a function of the Water Effect Ratio (WER). For criterion in the table, WER equates to the default value of 1.0.
(fc) Criteria expressed as free cyanide (as CN)/L
(h) Human health noncarcinogen
(hc) Human health carcinogen
(s) Dissolved criterion
(T) Total recoverable criterion
1 Lowest Effects Levels (LELs) indicate concentrations at which adverse benthic impact may begin to occur (level tolerated by most benthic organisms). Water column species and wildlife are at potential risk via bio-magnification (food chain toxicity) if site-related sediment concentrations of PCBs, organochlorine pesticides, or mercury are at or above the LEL. Other known biomagnifiers without ESC warrant case-by-case evaluation.
2. Severe Effects Levels (SELs) are also provided, but the SEL is not a BEE screening value. Contamination at this level indicates severe impacts to the benthic community in most cases studied. For non-polar organics (PAHs, organochlorine pesticides, PCBs), the SEL is calculated from a site-specific TOC level. Since the table SEL is based on 100% organic carbon, the calculated site-specific number is lower.
3. Refer to Estuarine/Marine Screening Criteria when a freshwater parameter has no corresponding value. Since the biological activity of non-polar organics is not expected to differ greatly in the estuarine/marine environment, these screens can be used as surrogates. While uncertainty associated with the use of estuarine/marine metal screens as freshwater surrogates is greater than with non-polar organics, one surrogate metal (silver) is provided.
4. Effects Range-Low (ER-L) represents a concentration at which adverse benthic impacts are found in approximately 10% of studies. Water column species and wildlife are at potential risk via biomagnification (food chain toxicity) if site-related sediment concentrations of PCBs, organochlorine pesticides, or mercury are at or above the ER-L. Other known biomagnifiers without NOAA screening numbers (dioxins, furans, other chlorinated organics, and selenium) warrant case-by-case evaluation.
5. The Effects Range-Median (ER-M) is also provided. The ER-M is not a BEE screening value. Contamination greater than the ER-M value indicates adverse benthic impacts in more than 50% of cases studie

6. Refer to Freshwater Sediment Screening Criteria when a Estuarine/Marine parameter has no corresponding value and for individual Aroclor values. Since the biological activity of non-polar organics is not expected to differ greatly in the fresh water environment, freshwater screens can be used as surrogates.
7. Screening values were developed for the protection of marine receptors; however, for the purpose of this document they are considered surrogates for freshwater systems.
8. USEPA Region 5, RCRA Ecological Screening Levels (ESLs) represent a protective benchmark (e.g., water quality criteria, sediment quality guidelines/ criteria, and chronic no adverse effect levels) for 223 contaminants and are not intended to serve as cleanup levels, but are intended to function as screeni levels. http://www.epa.gov/reg5rcra/ca/ESL.pdf
9. Wildlife Preliminary Remediation Goal based on plant study.
10. Wildlife Preliminary Remediation Goal based on shrew study.
11. Wildlife Preliminary Remediation Goal based on woodcock study.
12. Wildlife Preliminary Remediation Goal based on earthworm study.
13. Wildlife Preliminary Remediation Goal based on mouse study.
14. Wildlife Preliminary Remediation Goal based on hawk study.
15. Sediment value from NOAA Screening Quick Reference Tables (SQuiRTs).
16. Westhollow Technical Center Levels were developed by Shell Oil for surface water and were approved for use by NJDEP with the following conditions: 1) the source area is removed, 2) these levels are on the fringe of the contamination area, and 3) active remediation is occurring. These levels are applicable to surface water and wetland areas.
17. USEPA Ambient Water Quality Criteria Update for Methyl Tertiary-Butyl Ether (MTBE) http://www.epa.gov/waterscience/criteria/mtbe-fs.html
18. Low Molecular Weight PAHs are defined as compounds composed of fewer than four rings.
19. High Molecular Weight PAHs are defined as compounds composed of four or more rings.
20. Guidance for Developing Ecological Soil Screening Levels, OSWER Directive 9285.7-55, U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460, November 2003, Revised February 2005, http://www.epa.gov/ecotox/ecossl/pdf/ecossl_guidance_chapters.pdf
21. Value applies to DDT and metabolites.

NOTE: See Page 7/7 (SW Calculations tab) for Surface Water Calculator for metals.

NJDEP Ecological Screening Criteria

(f)3 Freshwater aquatic criteria for cadmium, chromium III, copper, nickel, silver, and zinc are expressed as a function of water hardness. Criteria can be calculated at any hardness using these equations as listed below. Criteria thus calculated are multiplied by appropriate conversion factor (CF) to convert total recoverable metal into dissolved metal and by the default Water Effect Ratio (WER) of 1.0.

General formula: WER [e(V[ln (hardness)] + ln A - V[ln Z])] CF

where:
V = pooled slope
A = FAV at given hardness
Z = selected value of hardness

Cadmium:
Acute dissolved criterion WER [$e^{(1.0166 (\ln [hardness])-3.924)}$] 0.651
Chronic dissolved criterion WER [$e^{(0.7409 (\ln [hardness])-4.719)}$] 0.651

Chromium III:
Acute dissolved criterion WER [$e^{(0.819 (\ln [hardness])+3.7256)}$] 0.277
Chronic dissolved criterion WER [$e^{(0.819 (\ln [hardness])+0.6848)}$] 0.277

Copper:
Acute dissolved criterion WER [$e^{(0.9422 (\ln [hardness])-1.7)}$] 0.908
Chronic dissolved criterion WER [$e^{(0.8545 (\ln [hardness])-1.702)}$] 0.908

Nickel:
Acute dissolved criterion WER [$e^{(0.846 (\ln [hardness])+2.255)}$] 0.846
Chronic dissolved criterion WER [$e^{(0.846 (\ln [hardness])+0.0584)}$] 0.846

Silver:
Acute dissolved criterion WER [$e^{(1.72 (\ln [hardness])-6.59)}$] 0.85

Zinc:
Acute or dissolved criterion WER [$e^{(0.8473 (\ln [hardness])+0.884)}$] 0.950
Chronic dissolved criterion WER [$e^{(0.8473 (\ln [hardness])+0.884)}$] 0.950

(f)4 Freshwater criteria for pentachlorophenol are expressed as a function of pH. Criteria are derived in accordance with the formula set forth below:

Acute criterion = $e^{(1.005[pH]-4.869)}$
Chronic criterion = $e^{(1.005[pH]-5.134)}$

Appendix E

Groundwater Laboratory Analytical- July 24, 2012

New Jersey
ACCUTEST LABORATORIES

08/15/12

Technical Report for

EnviroTrac

Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ

08.HSP001.00

Accutest Job Number: JB11950

Sampling Date: 07/24/12

Report to:

EnviroTrac, Ltd

matthewb@envirotrac.com

ATTN: Matt Burdey

Total number of pages in report: **16**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Ioannidis
Lab Director

Client Service contact: Kristyn Morrison 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Accutest LabLink@683423 09:20 15-Aug-2012

Sample Summary

EnviroTrac

Job No: JB11950

Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Project No: 08.HSP001.00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB11950-1	07/24/12	13:35	MR	07/24/12	AQ	Ground Water	LN-1
JB11950-2	07/24/12	13:45	MR	07/24/12	AQ	Ground Water	LN-2
JB11950-3	07/24/12	14:10	MR	07/24/12	AQ	Ground Water	LN-3
JB11950-4	07/24/12	14:05	MR	07/24/12	AQ	Ground Water	LN-4
JB11950-5	07/24/12	14:00	MR	07/24/12	AQ	Ground Water	LN-5
JB11950-6	07/24/12	13:40	MR	07/24/12	AQ	Ground Water	LN-6
JB11950-7	07/24/12	13:40	MR	07/24/12	AQ	Ground Water	LN-7
JB11950-8	07/24/12	13:30	MR	07/24/12	AQ	Field Blank Water	FIELD BLANK NLF

Summary of Hits

Job Number: JB11950
Account: EnviroTrac
Project: Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Collected: 07/24/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB11950-1	**LN-1**					
Coliform, Total		4	4		col/100ml	SM19 9222B
JB11950-2	**LN-2**					
No hits reported in this sample.						
JB11950-3	**LN-3**					
Coliform, Total		1340	20		col/100ml	SM19 9222B
JB11950-4	**LN-4**					
Coliform, Total		172	4		col/100ml	SM19 9222B
JB11950-5	**LN-5**					
Coliform, Total		920	20		col/100ml	SM19 9222B
JB11950-6	**LN-6**					
No hits reported in this sample.						
JB11950-7	**LN-7**					
Coliform, Total		276	4		col/100ml	SM19 9222B
JB11950-8	**FIELD BLANK NLF**					
No hits reported in this sample.						

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB11950-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	4	4	col/100ml	4	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB11950-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	< 4	4	col/100ml	4	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB11950-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	1340	20	col/100ml	1	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB11950-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	172	4	col/100ml	4	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB11950-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	920	20	col/100ml	1	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB11950-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	< 4	4	col/100ml	4	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB11950-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	276	4	col/100ml	4	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB11950-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/24/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Coliform, Total	< 1	1	col/100ml	1	07/24/12 15:50	LS	SM19 9222B

RL = Reporting Limit

New Jersey
ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX. 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JB11950

Client / Reporting Information

Company Name: EnviroTrac, Ltd
Address: 3 Terri Lane - Suite #8
City: Burlington State: NJ Zip: 08016
Project Contact: David Carlson E-mail: davec@envirotrac.com
Phone #: 609-387-5553
Sampler(s) Name(s)

Project Information

Project Name: Hess Port Reading Refinery NLF Q3
Street: 750 Cliff Road
City: Port Reading State: NJ
Project #: 08.HSP001.00
Fax #: 609-387-5533
Client Purchase Order #

Requested Analysis

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Na2S2O3	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCF - Bacteria	LAB USE ONLY
-1	LN-1		7/24/12	13:35	MR	GW	1	1								X	
-2	LN-2			13:45	MR	GW	1	1								X	WC33
-3	LN-3			14:10	KN	GW	1	1								X	
-4	LN-4			14:05	KN	GW	1	1								X	
-5	LN-5			14:00	KN	GW	1	1								X	
-6	LN-6			13:40	MR	GW	1	1								X	
-7	LN-7			13:40	KN	GW	1	1								X	
-8	Field Blank NLF			13:30	MR	GW	1	1								X	

Number of preserved Bottles

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Turnaround Time (Business days)

- [X] Std. 15 Business Days
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Approved By: / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [X] Commercial "A"
- [ ] Commercial "B"
- [ ] NJ Reduced
- [ ] FullT1
- [ ] Other ____
- [ ] FULL CLP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [X] State Forms
- [X] EDD Format ____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Remarks

1425

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	7/24/12	1	2		2
Relinquished by: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 6°C

JB11950: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB11950 **Client:** **Project:**

Date / Time Received: 7/24/2012 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (6/6); 0

Cooler Security	Y	or	N
1. Custody Seals Present:	☑		☐
2. Custody Seals Intact:	☑		☐
3. COC Present:	☑		☐
4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB11950: Chain of Custody
Page 2 of 2

New Jersey
ACCUTEST LABORATORIES

08/15/12

Technical Report for

EnviroTrac

Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ

08.HSP001.01

Accutest Job Number: JB12128

Sampling Date: 07/24/12

Report to:

EnviroTrac, Ltd

matthewb@envirotrac.com

ATTN: Matt Burdey

Total number of pages in report: **61**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Ioannidis
Lab Director

Client Service contact: Kristyn Morrison 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Accutest LabLink@683423 09:20 15-Aug-2012

Sample Summary

EnviroTrac

Job No: JB12128

Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Project No: 08.HSP001.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB12128-1	07/24/12	10:08	MR	07/26/12	AQ	Ground Water	LN-1
JB12128-2	07/24/12	11:00	MR	07/26/12	AQ	Ground Water	LN-2
JB12128-3	07/24/12	10:55	MR	07/26/12	AQ	Ground Water	LN-3
JB12128-4	07/24/12	09:40	MR	07/26/12	AQ	Ground Water	LN-4
JB12128-5	07/24/12	08:55	MR	07/26/12	AQ	Ground Water	LN-5
JB12128-6	07/24/12	12:01	MR	07/26/12	AQ	Ground Water	LN-6
JB12128-7	07/24/12	12:35	MR	07/26/12	AQ	Ground Water	LN-7
JB12128-8	07/24/12	12:30	MR	07/26/12	AQ	Field Blank Water	FIELD BLANK NLF
JB12128-9	07/24/12	12:35	MR	07/26/12	AQ	Trip Blank Water	TRIP BLANK NFL

Summary of Hits

Job Number: JB12128
Account: EnviroTrac
Project: Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Collected: 07/24/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB12128-1	**LN-1**					
Methyl Tert Butyl Ether		0.96 J	1.0	0.18	ug/l	EPA 624
Iron		38700	100	24	ug/l	SW846 6010C
Manganese		1110	15	0.12	ug/l	SW846 6010C
Sodium		238000	10000	13	ug/l	SW846 6010C
Chloride		305	2.0	0.018	mg/l	EPA 300/SW846 9056A
Fluoride		1.6	0.20	0.0031	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		4.0	0.60	0.22	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved		40.0	10	1.8	mg/l	SM20 2540C
Sulfate		122	10	0.15	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		13.9	1.0	0.25	mg/l	SM20 5310B, 9060 M
JB12128-2	**LN-2**					
Methyl Tert Butyl Ether		0.37 J	1.0	0.18	ug/l	EPA 624
Tertiary Butyl Alcohol		20.8 J	25	8.6	ug/l	EPA 624
Iron		24600	100	24	ug/l	SW846 6010C
Manganese		340	15	0.12	ug/l	SW846 6010C
Sodium		99300	10000	13	ug/l	SW846 6010C
Chloride		170	2.0	0.018	mg/l	EPA 300/SW846 9056A
Fluoride		1.0	0.20	0.0031	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		2.7	0.20	0.072	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved		445	10	1.8	mg/l	SM20 2540C
Total Organic Carbon		3.9	1.0	0.25	mg/l	SM20 5310B, 9060 M
JB12128-3	**LN-3**					
Methyl Tert Butyl Ether		0.31 J	1.0	0.18	ug/l	EPA 624
Arsenic		43.6	3.0	0.97	ug/l	SW846 6010C
Iron		90400	100	24	ug/l	SW846 6010C
Lead		3.1	3.0	1.7	ug/l	SW846 6010C
Manganese		527	15	0.12	ug/l	SW846 6010C
Sodium		335000	10000	13	ug/l	SW846 6010C
Chloride		154	2.0	0.018	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		2.8	0.20	0.072	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved		1270	10	1.8	mg/l	SM20 2540C
Total Organic Carbon		13.2	1.0	0.25	mg/l	SM20 5310B, 9060 M
JB12128-4	**LN-4**					
Methyl Tert Butyl Ether		0.87 J	1.0	0.18	ug/l	EPA 624
Tertiary Butyl Alcohol		23.1 J	25	8.6	ug/l	EPA 624
Xylenes (total)		0.99 J	1.0	0.14	ug/l	EPA 624
Arsenic		16.3	3.0	0.97	ug/l	SW846 6010C

Summary of Hits

Job Number: JB12128
Account: EnviroTrac
Project: Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Collected: 07/24/12

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Iron	30300	100	24	ug/l	SW846 6010C
Manganese	342	15	0.12	ug/l	SW846 6010C
Sodium	118000	10000	13	ug/l	SW846 6010C
Chloride	154	2.0	0.018	mg/l	EPA 300/SW846 9056A
Fluoride	1.5	0.20	0.0031	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia	1.8	0.20	0.072	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved	443	10	1.8	mg/l	SM20 2540C
Total Organic Carbon	5.4	1.0	0.25	mg/l	SM20 5310B, 9060 M
JB12128-5 LN-5					
Arsenic	3.4	3.0	0.97	ug/l	SW846 6010C
Iron	6070	100	24	ug/l	SW846 6010C
Lead	18.8	3.0	1.7	ug/l	SW846 6010C
Manganese	49.5	15	0.12	ug/l	SW846 6010C
Sodium	11500	10000	13	ug/l	SW846 6010C
Chloride	23.1	2.0	0.018	mg/l	EPA 300/SW846 9056A
Nitrogen, Nitrate [a]	1.3	0.11	0.0056	mg/l	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	1.3	0.10	0.0046	mg/l	EPA 353.2/LACHAT
Solids, Total Dissolved	111	10	1.8	mg/l	SM20 2540C
Sulfate	30.5	10	0.15	mg/l	EPA 300/SW846 9056A
Total Organic Carbon	2.2	1.0	0.25	mg/l	SM20 5310B, 9060 M
JB12128-6 LN-6					
Methyl Tert Butyl Ether	0.38 J	1.0	0.18	ug/l	EPA 624
Arsenic	7.9	3.0	0.97	ug/l	SW846 6010C
Iron	41200	100	24	ug/l	SW846 6010C
Manganese	1080	15	0.12	ug/l	SW846 6010C
Sodium	131000	10000	13	ug/l	SW846 6010C
Chloride	184	2.0	0.018	mg/l	EPA 300/SW846 9056A
Fluoride	1.2	0.20	0.0031	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia	3.5	0.60	0.22	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved	537	10	1.8	mg/l	SM20 2540C
Sulfate	73.0	10	0.15	mg/l	EPA 300/SW846 9056A
Total Organic Carbon	7.1	3.0	0.75	mg/l	SM20 5310B, 9060 M
JB12128-7 LN-7					
Methyl Tert Butyl Ether	0.33 J	1.0	0.18	ug/l	EPA 624
Tertiary Butyl Alcohol	17.1 J	25	8.6	ug/l	EPA 624
Arsenic	8.3	3.0	0.97	ug/l	SW846 6010C
Iron	15500	100	24	ug/l	SW846 6010C
Manganese	736	15	0.12	ug/l	SW846 6010C
Sodium	139000	10000	13	ug/l	SW846 6010C

Summary of Hits

Job Number: JB12128
Account: EnviroTrac
Project: Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ
Collected: 07/24/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chloride		188	2.0	0.018	mg/l	EPA 300/SW846 9056A
Fluoride		1.2	0.20	0.0031	mg/l	EPA 300/SW846 9056A
Nitrogen, Ammonia		2.4	0.20	0.072	mg/l	SM20 4500NH3G,LACHAT
Solids, Total Dissolved		500	10	1.8	mg/l	SM20 2540C
Sulfate		18.6	10	0.15	mg/l	EPA 300/SW846 9056A
Total Organic Carbon		5.5	3.0	0.75	mg/l	SM20 5310B, 9060 M

JB12128-8 FIELD BLANK NLF

No hits reported in this sample.

JB12128-9 TRIP BLANK NFL

No hits reported in this sample.

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20616.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.96	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	95%		69-129%
2037-26-5	Toluene-D8 (SUR)	98%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	97%		82-115%
1868-53-7	Dibromofluoromethane (S)	97%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66798.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		26-159%
877-09-8	Tetrachloro-m-xylene	74%		26-159%
2051-24-3	Decachlorobiphenyl	52%		10-133%
2051-24-3	Decachlorobiphenyl	49%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84422.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	123%		50-142%
19719-28-9	2,4-DCAA	99%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	38700	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	1110	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	238000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-1		
Lab Sample ID:	JB12128-1	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	305	2.0	mg/l	1	08/03/12 12:41	NP	EPA 300/SW846 9056A
Fluoride	1.6	0.20	mg/l	1	08/03/12 12:41	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	4.0	0.60	mg/l	3	08/02/12 11:30	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:25	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:25	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:09	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	40.0	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	122	10	mg/l	1	08/03/12 12:41	NP	EPA 300/SW846 9056A
Total Organic Carbon	13.9	1.0	mg/l	1	08/02/12 22:10	VA	SM20 5310B, 9060 M
Total Organic Halides [b]	< 0.10	0.10	mg/l	1	07/27/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Detection limit raised due to possible matrix interference indicated by high second column.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20617.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.37	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	20.8	25	8.6	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	96%		69-129%
2037-26-5	Toluene-D8 (SUR)	99%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	98%		82-115%
1868-53-7	Dibromofluoromethane (S)	97%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66799.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		26-159%
877-09-8	Tetrachloro-m-xylene	74%		26-159%
2051-24-3	Decachlorobiphenyl	76%		10-133%
2051-24-3	Decachlorobiphenyl	81%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84423.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	126%		50-142%
19719-28-9	2,4-DCAA	97%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	24600	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	340	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	99300	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-2		
Lab Sample ID:	JB12128-2	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	170	2.0	mg/l	1	08/03/12 13:29	NP	EPA 300/SW846 9056A
Fluoride	1.0	0.20	mg/l	1	08/03/12 13:29	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.7	0.20	mg/l	1	08/02/12 09:39	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:26	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:26	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:10	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	445	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	< 10	10	mg/l	1	08/03/12 13:29	NP	EPA 300/SW846 9056A
Total Organic Carbon	3.9	1.0	mg/l	1	08/02/12 21:54	VA	SM20 5310B, 9060 M
Total Organic Halides [b]	< 0.10	0.10	mg/l	1	07/27/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Detection limit raised due to possible matrix interference indicated by high second column.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20618.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.31	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	95%		69-129%
2037-26-5	Toluene-D8 (SUR)	99%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	97%		82-115%
1868-53-7	Dibromofluoromethane (S)	95%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66800.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.00092	ug/l	
72-20-8	Endrin	ND	0.011	0.0016	ug/l	
72-43-5	Methoxychlor	ND	0.011	0.0036	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.051	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		26-159%
877-09-8	Tetrachloro-m-xylene	71%		26-159%
2051-24-3	Decachlorobiphenyl	76%		10-133%
2051-24-3	Decachlorobiphenyl	83%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84427.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	118%		50-142%
19719-28-9	2,4-DCAA	98%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	43.6	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	90400	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	3.1	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	527	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	335000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-3		
Lab Sample ID:	JB12128-3	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	154	2.0	mg/l	1	08/03/12 14:41	NP	EPA 300/SW846 9056A
Fluoride	< 0.20	0.20	mg/l	1	08/03/12 14:41	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.8	0.20	mg/l	1	08/02/12 09:39	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:27	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:27	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:11	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	1270	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	< 10	10	mg/l	1	08/03/12 14:41	NP	EPA 300/SW846 9056A
Total Organic Carbon	13.2	1.0	mg/l	1	08/02/12 22:25	VA	SM20 5310B, 9060 M
Total Organic Halides [b]	< 0.20	0.20	mg/l	1	07/27/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Detection limit raised due to possible matrix interference indicated by high second column.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20619.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.87	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	23.1	25	8.6	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	0.99	1.0	0.14	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	96%		69-129%
2037-26-5	Toluene-D8 (SUR)	100%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	96%		82-115%
1868-53-7	Dibromofluoromethane (S)	96%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66801.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		26-159%
877-09-8	Tetrachloro-m-xylene	65%		26-159%
2051-24-3	Decachlorobiphenyl	56%		10-133%
2051-24-3	Decachlorobiphenyl	63%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84428.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	126%		50-142%
19719-28-9	2,4-DCAA	96%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	16.3	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	30300	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	342	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	118000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-4		
Lab Sample ID:	JB12128-4	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	154	2.0	mg/l	1	08/03/12 15:05	NP	EPA 300/SW846 9056A
Fluoride	1.5	0.20	mg/l	1	08/03/12 15:05	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	1.8	0.20	mg/l	1	08/02/12 09:40	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:28	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:28	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:12	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	443	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	< 10	10	mg/l	1	08/03/12 15:05	NP	EPA 300/SW846 9056A
Total Organic Carbon	5.4	1.0	mg/l	1	08/02/12 22:40	VA	SM20 5310B, 9060 M
Total Organic Halides	< 0.050	0.050	mg/l	1	07/30/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20620.D	1	07/29/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	94%		69-129%
2037-26-5	Toluene-D8 (SUR)	98%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	96%		82-115%
1868-53-7	Dibromofluoromethane (S)	96%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66802.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		26-159%
877-09-8	Tetrachloro-m-xylene	78%		26-159%
2051-24-3	Decachlorobiphenyl	48%		10-133%
2051-24-3	Decachlorobiphenyl	54%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84429.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	149% [a]		50-142%
19719-28-9	2,4-DCAA	110%		50-142%

(a) High percent recoveries and no positive found in the sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	6070	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	18.8	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	49.5	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	11500	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-5		
Lab Sample ID:	JB12128-5	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	23.1	2.0	mg/l	1	08/03/12 15:28	NP	EPA 300/SW846 9056A
Fluoride	< 0.20	0.20	mg/l	1	08/03/12 15:28	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	< 0.20	0.20	mg/l	1	08/02/12 09:41	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	1.3	0.11	mg/l	1	08/03/12 12:29	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	1.3	0.10	mg/l	1	08/03/12 12:29	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:15	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	111	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	30.5	10	mg/l	1	08/03/12 15:28	NP	EPA 300/SW846 9056A
Total Organic Carbon	2.2	1.0	mg/l	1	08/02/12 23:33	VA	SM20 5310B, 9060 M
Total Organic Halides	< 0.050	0.050	mg/l	1	07/30/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20621.D	1	07/29/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.38	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	95%		69-129%
2037-26-5	Toluene-D8 (SUR)	97%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	97%		82-115%
1868-53-7	Dibromofluoromethane (S)	97%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66803.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		26-159%
877-09-8	Tetrachloro-m-xylene	65%		26-159%
2051-24-3	Decachlorobiphenyl	27%		10-133%
2051-24-3	Decachlorobiphenyl	27%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84430.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	124%		50-142%
19719-28-9	2,4-DCAA	95%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.9	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	41200	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	1080	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	131000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-6		
Lab Sample ID:	JB12128-6	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	184	2.0	mg/l	1	08/03/12 15:53	NP	EPA 300/SW846 9056A
Fluoride	1.2	0.20	mg/l	1	08/03/12 15:53	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	3.5	0.60	mg/l	3	08/02/12 11:31	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:30	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:30	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:16	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	537	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	73.0	10	mg/l	1	08/03/12 15:53	NP	EPA 300/SW846 9056A
Total Organic Carbon	7.1	3.0	mg/l	3	08/02/12 23:48	VA	SM20 5310B, 9060 M
Total Organic Halides [b]	< 0.10	0.10	mg/l	1	07/30/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Detection limit raised due to possible matrix interference indicated by high second column.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20622.D	1	07/29/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.33	1.0	0.18	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	17.1	25	8.6	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	94%		69-129%
2037-26-5	Toluene-D8 (SUR)	101%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	98%		82-115%
1868-53-7	Dibromofluoromethane (S)	95%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66804.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		26-159%
877-09-8	Tetrachloro-m-xylene	73%		26-159%
2051-24-3	Decachlorobiphenyl	72%		10-133%
2051-24-3	Decachlorobiphenyl	81%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84431.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	127%		50-142%
19719-28-9	2,4-DCAA	97%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.3	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	15500	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	736	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	139000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	LN-7		
Lab Sample ID:	JB12128-7	**Date Sampled:**	07/24/12
Matrix:	AQ - Ground Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	188	2.0	mg/l	1	08/03/12 16:17	NP	EPA 300/SW846 9056A
Fluoride	1.2	0.20	mg/l	1	08/03/12 16:17	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	2.4	0.20	mg/l	1	08/02/12 09:43	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:30	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:30	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:17	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	500	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	18.6	10	mg/l	1	08/03/12 16:17	NP	EPA 300/SW846 9056A
Total Organic Carbon	5.5	3.0	mg/l	3	08/03/12 00:05	VA	SM20 5310B, 9060 M
Total Organic Halides [b]	< 0.10	0.10	mg/l	1	07/30/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(b) Detection limit raised due to possible matrix interference indicated by high second column.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20614.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	97%		69-129%
2037-26-5	Toluene-D8 (SUR)	97%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	95%		82-115%
1868-53-7	Dibromofluoromethane (S)	97%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
Method:	EPA 608 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G66805.D	1	08/07/12	VDT	07/27/12	OP58573	G3G2374
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

Pesticide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.00086	ug/l	
72-20-8	Endrin	ND	0.010	0.0015	ug/l	
72-43-5	Methoxychlor	ND	0.010	0.0034	ug/l	
8001-35-2	Toxaphene	ND	0.13	0.047	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		26-159%
877-09-8	Tetrachloro-m-xylene	76%		26-159%
2051-24-3	Decachlorobiphenyl	58%		10-133%
2051-24-3	Decachlorobiphenyl	66%		10-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA84432.D	1	07/30/12	HQ	07/27/12	OP58570	GOA2894
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Herbicide Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.50	0.16	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.10	0.026	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	122%		50-142%
19719-28-9	2,4-DCAA	107%		50-142%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	07/27/12	08/02/12	GT	SW846 6010C [2]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	08/03/12	08/03/12	JW	SW846 7470A [3]	SW846 7470A [5]
Selenium	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]
Sodium	< 10000	10000	ug/l	1	07/27/12	08/01/12	GT	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA29090
(2) Instrument QC Batch: MA29101
(3) Instrument QC Batch: MA29113
(4) Prep QC Batch: MP65701
(5) Prep QC Batch: MP65820

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK NLF		
Lab Sample ID:	JB12128-8	**Date Sampled:**	07/24/12
Matrix:	AQ - Field Blank Water	**Date Received:**	07/26/12
		Percent Solids:	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	< 2.0	2.0	mg/l	1	08/03/12 16:41	NP	EPA 300/SW846 9056A
Fluoride	< 0.20	0.20	mg/l	1	08/03/12 16:41	NP	EPA 300/SW846 9056A
Nitrogen, Ammonia	< 0.20	0.20	mg/l	1	08/02/12 09:44	BP	SM20 4500NH3G,LACHAT
Nitrogen, Nitrate [a]	< 0.11	0.11	mg/l	1	08/03/12 12:33	BP	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	08/03/12 12:33	BP	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	07/26/12	MM	SM19 4500NO2B
Phenols	< 0.20	0.20	mg/l	1	07/31/12 18:18	PB	EPA 420.4/LACHAT
Solids, Total Dissolved	< 10	10	mg/l	1	07/27/12	CV	SM20 2540C
Sulfate	< 10	10	mg/l	1	08/03/12 16:41	NP	EPA 300/SW846 9056A
Total Organic Carbon	< 1.0	1.0	mg/l	1	08/03/12 00:19	VA	SM20 5310B, 9060 M
Total Organic Halides	< 0.050	0.050	mg/l	1	07/30/12	YC	SW846 9020B M

(a) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK NFL		
Lab Sample ID:	JB12128-9	**Date Sampled:**	07/24/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B20615.D	1	07/28/12	TYG	n/a	n/a	V4B907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
107-02-8	Acrolein	ND	50	2.3	ug/l	
107-13-1	Acrylonitrile	ND	10	1.1	ug/l	
71-43-2	Benzene	ND	1.0	0.22	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.095	ug/l	
75-25-2	Bromoform	ND	1.0	0.16	ug/l	
74-83-9	Bromomethane	ND	1.0	0.25	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.14	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.18	ug/l	
75-00-3	Chloroethane	ND	1.0	0.25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	0.68	ug/l	
67-66-3	Chloroform	ND	1.0	0.11	ug/l	
74-87-3	Chloromethane	ND	1.0	0.27	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.19	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.21	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.14	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.18	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	25	8.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.19	ug/l	
108-88-3	Toluene	ND	1.0	0.18	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK NFL		
Lab Sample ID:	JB12128-9	**Date Sampled:**	07/24/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/26/12
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Hess North Landfarm Wells, 750 Cliff Road, Port Reading, NJ		

VOA PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.25	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.19	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.15	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4 (SUR)	96%		69-129%
2037-26-5	Toluene-D8 (SUR)	97%		89-109%
460-00-4	4-Bromofluorobenzene (SUR)	97%		82-115%
1868-53-7	Dibromofluoromethane (S)	97%		84-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 of 1

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JB12128

Client / Reporting Information

Company Name: EnviroTrac, Ltd
Address: 3 Terri Lane - Suite #8
City: Burlington State: NJ Zip: 08016
Project Contact: David Carlson E-mail: davec@envirotrac.com
Phone #: 609-387-5553
Sampler(s) Name(s):

Project Information

Project Name: Hess Port Reading Refinery NLF Q3
Street: 750 Cliff Road
City: Port Reading State: NJ
Project #: 08.HSP001.00
Fax #: 609-387-5533
Client Purchase Order #:

Requested Analysis

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Metals	Fluoride AMN XN030	SO4 CHL PN	TDS TOC TOX	V624PPL MTBE TBA	P- 608 Pestsl H8151SI	GR-A GR-B RA-228 RA-226				LAB USE ONLY
-1	LN-1		7/24/12	10:08	MR	GW	2	5		5	6	5				X	X	X	X	X	X	X				
-2	LN-2			11:00	MR	GW	2	5		5	3	5				X	X	X	X	X	X	X				EX11
-3	LN-3			10:55	KN	GW	2	5		5	6	5				X	X	X	X	X	X	X				AMET31
-4	LN-4			9:40	KN	GW	2	5		5	6	5				X	X	X	X	X	X	X				WC43
-5	LN-5			8:55	KN	GW	2	5		5	6	5				X	X	X	X	X	X	X				WC1
-6	LN-6			12:01	MR	GW	2	5		5	6	5				X	X	X	X	X	X	X				WC3
-7	LN-7			12:35	KN	GW	2	5		5	6	5				X	X	X	X	X	X	X				499F
-8	Field Blank NLF			12:30	MR	GW	2	5		5	3	5				X	X	X	X	X	X	X				SUB
-9	Trip Blank NFL		7/18/12	16:00	MR	GW	2	2												X						

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Turnaround Time (Business days)

- [X] Std. 15 Business Days
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Approved By: / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [X] Commercial "A"
- [ ] Commercial "B"
- [ ] NJ Reduced
- [ ] FullT1
- [ ] Other
- [ ] FULL CLP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [X] State Forms
- [X] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	7/24/12	1	2		2 Robin Temp 7/26/12 0830
3 Robin Temp 7/26/12 1020		3	4		4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp. See below

8 Coolers 6.0C, 6.0C, 5.0C, 5.0C, 6.0C, 6.0C, 5.0C, 6.0C

G.P

JB12128: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB12128 **Client:** ENVIROTRAC **Project:** HESS PORT READING REFINERY NLF Q3

Date / Time Received: 7/26/2012 1020 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (6/6); #2: (6/6); #3: (5/5); #4: (5/5); #5: (6/6); #6: (6/6); #7: (5/5); #8: (6/6); 0

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☐	☑	3. COC Present:	☑	☐
2. Custody Seals Intact:	☐	☑	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Bar Therm	
3. Cooler media:	Ice (bag)	
4. No, Coolers		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☐	☑
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☐	☑	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments
1. -1,-4,-5 NO2 RECEIVED OUT OF HOLD
2. -2,-3 NO2 WAS UNABLE TO BE PROCESSED WITHIN HOLDING TIME
3. -1 TO -7 RECEIVED 4 TOX BOTTLES FOR EACH SAMPLE. MS/MSD VOLUME?
4. -1 TO -8 RECEIVED 2 TOC BOTTLES FOR EACH SAMPLE. MS/MSD VOLUME?
5. NOTED ON ELECTRONIC REQUEST TO RUN ALL NO2 SAMPLES REGARDLESS OF HOLDING TIMES

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

JB12128: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB12128

CSR: Kris M **Response Date:** 7/26/2012

Response: 1. 2. 5.
Dave Carlson notified, please proceed out of Hold.

3. 4.
Client specified MS/MSD not requested, please proceed with standard QA/QC.

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

Appendix F

Hazsite Disks